

atomic number

chemical symbol



1869 - 2019

To celebrate the 150 years anniversary of the invention of the periodic table

| | | | | | | | | | | | | | | | |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Be | B | C | N | O | | | | | | | | | | | |
| Mg | Al | Si | P | S | Cl | | | | | | | | | | |
| Ca | Sc | Ti | V | Cr | Mn | Fe | Co | Ni | Cu | Zn | Ga | Ge | As | Se | Br |
| Sr | Y | Zr | Nb | Mo | Tc | Ru | Rh | Pd | Ag | Cd | In | Sn | Sb | Te | I |
| Ba | La | Hf | Ta | W | Re | Os | Ir | Pt | Au | Hg | Tl | Pb | Bi | Po | At |
| Ra | Ac | Rf | Db | Sg | Bh | Hs | Mt | Ds | Rg | Cn | Nh | Fl | Mc | Lv | T |
| Ubn | Ce | Pr | Nd | Pm | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | | |
| U | Th | Pa | U | Np | Pu | Am | Cm | Bk | Cf | Es | Fm | Md | N | | |

high performance polymers technology

about us

Established in Italy in 1936, SAPICI is a global leading company in high-performance polyurethanes for Coating, Flexible Packaging, Industrial Adhesives, Prepolymers, Inks, and more.

成立於1936年，撒比斯是一家在涂料，软包装，工业用粘合剂，预聚物，油墨和更多高性能要求的聚氨酯应用上的全球领先企业



SAPICI is an expert company that produces custom prepolymers with very flexible capabilities to fit any kind of request.

SAPICI is one of the few companies capable to manage every kind of isocyanate: TDI, MDI, HDI, IPDI, HI2MDI, XDI.

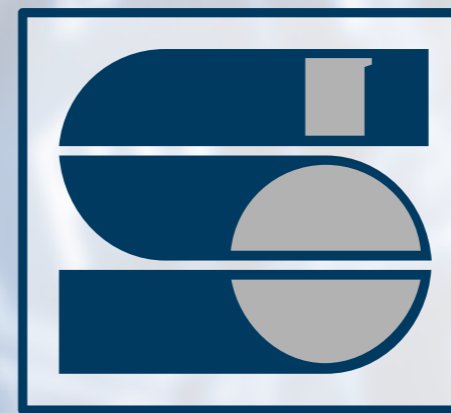
撒比斯拥有的专门知识使其能灵活地定制不同的预聚物以配合任何应用上的要求

撒比斯是全球中少数的公司有能力管理不同种类的异氰酸酯: TDI, MDI, HDI, IPDI, HI2MDI, XDI



25,2% of 2018 turnover is represented by products < 5 years old

近五年的新产品销量占据了2018年25.2%的营业额。



SAPICI

S.A.P.I.C.I. is the acronym of:
Società Azionaria Per l'Industria Chimica Italiana
That means Limited Company for the Italian chemical industry.

撒比斯的名字是下面意大利文首字母缩略词:
Società Azionaria Per l'Industria Chimica Italiana
其意思是意大利化工工业有限公司，一家拥有80年历史并且全球已认识的国际公司



SAPICI is always focused on the future to maintain its leadership so other than the standard products is also able to produce:

- <0.1% free monomer content polyisocyanates and prepolymers;
- Very low viscosity polyisocyanates;
- Tailor made polymers.

撒比斯始终专注于未来，贯彻其领导风格，除了生产标准产品还能生产以下产品：

- 游离单体<0.1%的聚氨酯及预聚物
- 极低黏度的聚异氰酸酯
- 量身定制聚合物

innovation as priority



Headquarter 总部
Caronno Pertusella
Varese - Italy



Plant I 第一工厂
Cernusco sul Naviglio
Milan - Italy

Gross Value: Euro >120 Million
Total production capacity: 50KT

总销售额: 大于欧元1亿2千万
总生产能力: 5 万吨



Oversea plant 海外工厂
Zhuhai
Jinwan District - China



Plant 2 第二工厂
San Cipriano Po
Pavia - Italy

technical support

wherever you are

R&D

All our plants have their own lab in order to have a fast response to the needs of our customers.

研发
所有工厂皆有自身的实验室以确保快速回应客户的需求



TECHNICAL SERVICE

Providing on-site support on global scale.

技术服务
在全球框架内提供到位的支持



PROBLEM SOLVING

Providing consultation, problem solving services and analytical testing for chemicals related to industrial products.

解决问题
在工业产品有关的化学品上提供咨询和解决问题方案的服务, 还有分析测试



TRAINING

Performing in-house training for customers and distributors.

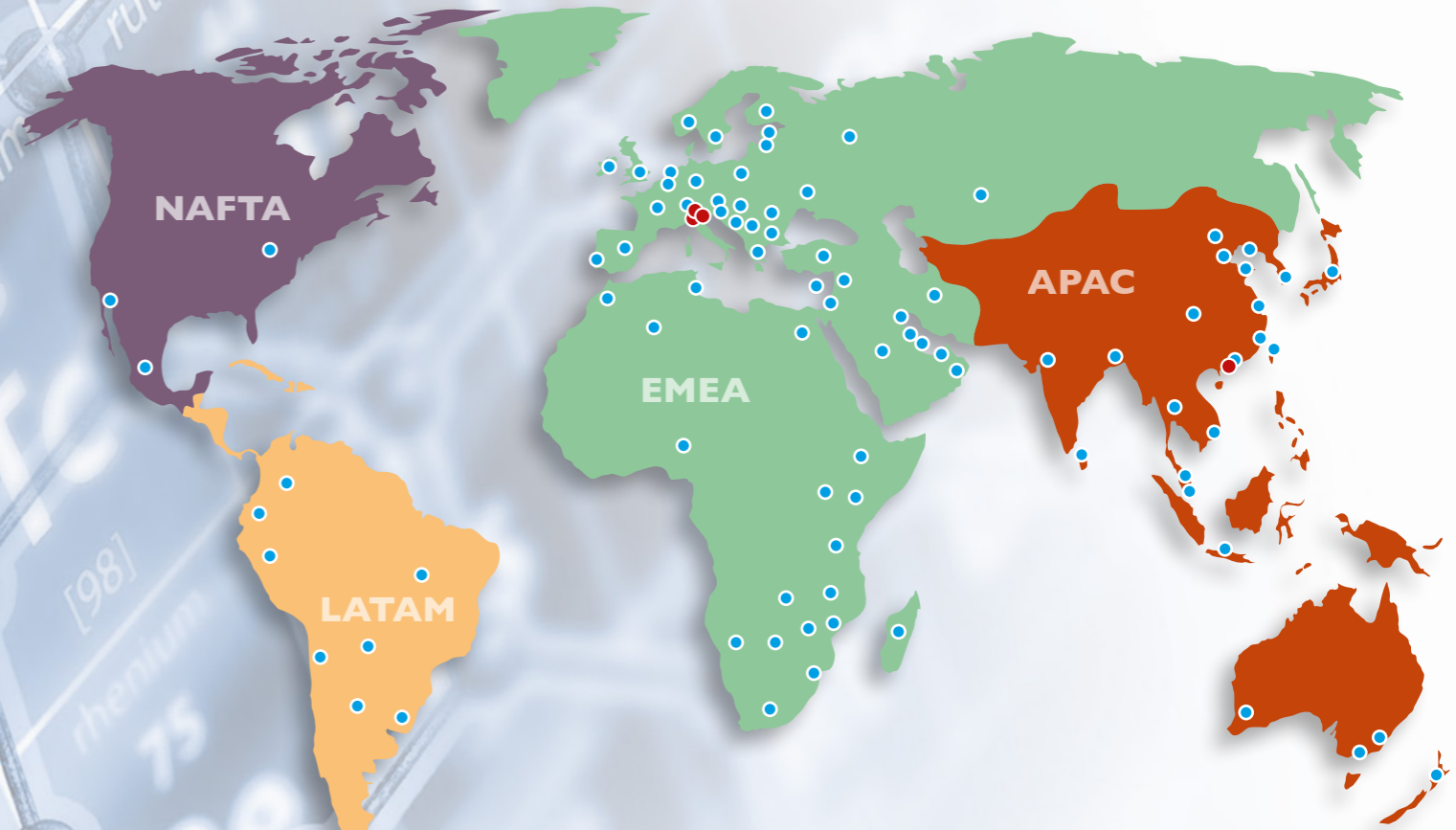
培训
进行与客户或者代理商的内部培训



QUALITY CONTROL

All the raw materials and the finish products are tested in order to check if they meet the requirements.

品质管理
所有原材料和成品皆通过测试以确保符合要求



The sales network covers: 95 countries with 53 distributors.

- ▶ **APAC** Australia, Bangladesh, China, Hong Kong, India, Indonesia, Japan, Malaysia, Myanmar, New Zeland, Philippines, Singapore, South Korea, Sri Lanka, Taiwan, Thailand, Vietnam.
- ▶ **EMEA** Albania, Algeria, Armenia, Austria, Bahrain, Belarus, Belgium, Bulgaria, Camerun, Croatia, Cyprus, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Germany, Ghana, Greece, Hungary, Iran, Ireland, Israele, Italy, Jordan, Kenya, Kosovo, Latvia, Lebanon, Libia, Lithuania, Luxembourg, Macedonia, Marocco, Moldavia, Netherland, Nigeria, Norvegia, Oman, Pakistan, Poland, Portugal, Romania, Russia, San Marino, Saudi Arabia, Serbia, Slovakia, Slovenia, South Africa, Spain, Sweden, Switzerland, Syria, Tunisia, Turkey, UAE, Ukraine, United Kingdom.
- ▶ **LATAM** Argentina, Brasil, Cile, Colombia, Costa Rica, Dominican Republic, Ecuador, Guatemala, Peru', Uruguay, Venezuela.
- ▶ **NAFTA** Canada, Mexico, USA.



products range overview



polyurethane

Coating 涂料

Adhesives Sealants Elastomers 胶粘剂, 密封胶和弹性体

Inks 油墨

Laminating Adhesives 层压胶粘剂

铸件弹性体 Cast Elastomers

| | | |
|-----------------------------|---|----------------|
| Solvent Based - 溶剂型 | additives - 助剂 | POLURENADD |
| | adhesion promoters - 附着力促进剂 | POLURENE TPI |
| | alkyd resins - 醇酸树脂 | REXIN |
| | blocked polyisocyanates - 封闭型聚异氰酸酯 | POLURENE BK |
| | high solid polyisocyanates - 高固含聚异氰酸酯 | POLURENE |
| | low monomer polyisocyanates - 低游离单体聚异氰酸酯 | POLURGREEN |
| | NCO terminated prepolymer - NCO封端预聚物 | UCOPOL M/W |
| | oleourethanic - 油脂型聚氨酯 | UCOPOL OL |
| | polyisocyanates - 聚异氰酸酯 | POLURENE |
| | PU elastomers - 聚氨酯弹性体 | UCOFLEX |
| saturated polyesters - 饱和聚酯 | REXIN DP | |
| Solvent Free - 无溶剂 | low monomer NCO terminated prepolymer - 低游离单体NCO封端预聚物 | POLURGREEN |
| | low monomer polyisocyanates - 低游离单体聚异氰酸酯 | POLURGREEN |
| | NCO terminated prepolymer - NCO封端预聚物 | UCOPOL M/W |
| | polyisocyanates - 聚异氰酸酯 | POLURENE |
| | saturated polyesters solvent free - 无溶剂饱和聚酯 | REXIN HSP |
| Water Based - 水性 | acrylic dispersions - 丙烯酸分散体 | BLUECRYL |
| | polyisocyanates for WB system - 水性体系聚异氰酸酯 | HYDRORENE |
| | PU dispersions - 聚氨酯分散体 | BLUEPUR |
| Solvent Based - 溶剂型 | additives - 助剂 | POLURENADD |
| | NCO terminated prepolymers ready to use - 随时使用的NCO封端预聚物 | POLURENE LPI |
| | polyisocyanates - 聚异氰酸酯 | UNI-DUR E |
| | prepolymers for flexible sealants - 弹性密封胶预聚物 | POLURENE LP |
| Solvent Free - 无溶剂 | low monomer NCO terminated prepolymer - 低游离单体NCO封端预聚物 | POLURGREEN PRP |
| | NCO terminated prepolymers - NCO封端预聚物 | POLURENE PRP |
| | NCO terminated prepolymers ready to use - 随时使用的NCO封端预聚物 | POLURENE LPI |
| | polyisocyanates for WB system - 水性体系聚异氰酸酯 | UNI-DUR WB |
| | prepolymers for flexible sealants - 弹性密封胶预聚物 | POLURENE LP |
| | saturated polyesters - 饱和聚酯 | REXIN HSP |
| Solvent Based - 溶剂型 | low monomer polyisocyanates - 低游离单体聚异氰酸酯 | POLURGREEN K |
| | polyisocyanate - 聚异氰酸酯 | POLURENE K |
| | saturated polyester - 饱和聚酯 | REXIN K |
| | solvent based PU elastomer - 溶剂型聚氨酯弹性体 | POLURENE K |
| Solvent Based - 溶剂型 | general purpose - 通用型 | POLURENE FP |
| | high performance - 高端型 | POLURFLEX |
| | R40 free - 不含R40 | POLURFLEX |
| Solvent Free - 无溶剂 | general purpose - 通用型 | POLURENE |
| | high performance - 高端型 | POLURFLEX |
| Water Based - 水性 | monomer free - 不含单体 | POLURFLEX |
| | | POLURFLEX |
| Cleaner - 清洁剂 | | POLURFLEX |
| Solvent Free - 无溶剂 | polyether - 聚醚 | POLURCAST PE |
| | polyesters - 聚酯 | POLURCAST PET |



glossary

isocyanates

| | |
|-------------|---|
| HDI | HEXAMETHYLENE DIISOCYANATE |
| IPDI | ISOPHORONE DIISOCYANATE |
| MDI | DIPHENYLMETHANE DIISOCYANATE |
| TDI | TOLUENE DIISOCYANATE |
| TPTI | TRIS (P-ISOCYANATOPHENYL) THIOPHOSPHATE |

异氰酸酯

| |
|------------------|
| 六亚甲基二异氰酸酯 |
| 异佛尔酮二异氰酸酯 |
| 二苯甲烷二异氰酸酯 |
| 甲苯二异氰酸酯 |
| 硫代磷酸(对异氰酸基苯基)三苯酯 |

diluents

| | |
|-------------|----------------------|
| BA | BUTYL ACETATE |
| DOA | DIOCTYL ADIPATE |
| EA | ETHYL ACETATE |
| EtOH | ETHANOL |
| IB | iso-BUTANOL |
| N | SOLVESSO 100 |
| MEK | METHYL ETHYL KETONE |
| PMA | METHOXYPROPYLACETATE |
| WD | D40 WHITE SPIRIT |
| X | XYLENE |

稀释剂

| |
|-------------|
| 乙酸丁酯 |
| 二辛基己二酸盐 |
| 乙酸乙酯 |
| 乙醇 |
| 异丁醇 |
| 100号芳香族溶剂 |
| 丁酮 |
| PMA 丙二醇甲醚酸酯 |
| D40溶剂(白电油) |
| 二甲苯 |

notes

| | |
|-------------------------|------------------------|
| N.A. max | Acid Number |
| N° OH | Hydroxyl Number MG/KOH |
| % OH | Hydroxyl Percentage |
| % NCO | Nco |
| % NV | Non Volatile |
| TYPE | Type of Product |
| Vx mPa*s @ 23 °C | Viscosity at 23°C |

NB: All specifications refer to the delivery form

注释

| |
|-------------|
| 最大酸值 |
| 羟值 |
| 羟基含量 |
| NCO含量 |
| 固含 |
| 产品类型 |
| 黏度 |
| 所有数据均基于其供应态 |

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Exempted from the restriction proposal on diisocyanates under REACH Regulation.

根据REACH法规豁免对二异氰酸酯的限制提议。

| product 产品 | % NV 固含 | type 类型 | solvent 溶剂 | type of isocyanate 异氰酸酯类型 | % free monomer 游离单体含量 | % NCO 含量 | Vx mPa*s @ 23°C 黏度 | max gardner color 最高色泽 | characteristics & main applications 特性及主要应用范围 |
|----------------------------|------------|-------------------------------|---------------|------------------------------|--------------------------|-------------|-----------------------|---------------------------|---|
| POLURGREEN AD 01 | 75 | adduct 加成物 | EA | TDI | < 0.1 | 12.5 - 13.5 | 1200 - 3000 | 1 | Polyurethane adduct for general purposes. Suitable for 2K varnishes and enamels. It imparts good flexibility, fullness, brightness and solvent resistance. 通用型聚氨酯加成物,适用于2K清漆和瓷漆,漆膜最终具有良好表面硬度,持久性,光泽和耐溶剂性。 |
| POLURGREEN AD BA 01 | 67 | adduct 加成物 | BA | TDI | < 0.1 | 11.5 - 12.1 | 400 - 800 | 1 | Polyurethane adduct for general purposes. Suitable for 2K varnishes and enamels. It imparts good flexibility, fullness, brightness and solvent resistance. 通用型聚氨酯加成物,适用于2K清漆和瓷漆,漆膜最终具有良好表面硬度,持久性,光泽和耐溶剂性。 |
| POLURGREEN IR 01 | 50 | isocyanurate 异氰酸酯 | BA | TDI | < 0.1 | 7.7 - 8.1 | 700 - 1400 | 1 | Fast drying hardener for 2K PU system with limited yellowing. Suitable for the formulation of sealers and matt topcoats it gives hardness to the final coating. 极快干低黄变性2K聚氨酯固化剂,适用于配制底漆和哑光面漆,提高最终涂层的硬度。 |
| POLURGREEN 60T 01 | 60 | adduct 加成物 | BA | TDI | < 0.1 | 9.5 - 9.9 | 1200 - 2000 | 1 | High versatile polyisocyanate used for the formulation of polyurethane sealers and topcoats. It gives the right balance between fast drying and long pot-life. 多功能聚异氰酸酯用于配制底漆和面漆,能在快干及长活化期之间保持良好平衡。 |
| POLURGREEN OK 01 | 60 | mixed isocyanurate 混合型异氰酸酯 | BA | TDI HDI | < 0.1 < 0.1 | 9.8 - 10.3 | 500 - 1100 | 1 | Aromatic-aliphatic hardener with good yellowing resistance. Suitable for polishable varnishes and enamels give to the final coating excellent hardness and good elasticity. 芳香族和脂肪族复配固化剂,具良好耐黄变性,适用于抛光型清漆和瓷漆上,给与最终涂层优异的硬度和良好的弹性。 |
| POLURGREEN FP 75 01 | 75 | adduct 加成物 | EA | TDI | < 0.1 | 12.5 - 13.5 | 1200 - 3000 | 1 | Polyurethane adduct version in accordance with EU, BFR and FDA regulations for food packaging. 符合EU, BFR和FDA有关法规要求使用在食品包装上的聚氨酯加成物。 |

The free monomer content <0.1 reduces its hazard classification and complies with the European diisocyanates restriction proposal.

低于0.1游离单体含量能降低其危害类别及符合欧盟对二异氰酸酯限制的建议。

| product 产品 | % NV 固含 | type 类型 | solvent 溶剂 | type of isocyanate 异氰酸酯类型 | % free monomer 游离单体含量 | % NCO 含量 | Vx mPa*s @ 23°C 黏度 | max hazen color 最高色泽 | characteristics & main applications 特性及主要应用范围 |
|----------------------------------|------------|--------------------------------------|---------------|------------------------------|--------------------------|-------------|-----------------------|-------------------------|---|
| POLURGREEN MT 75 01* | 75 | aliphatic polyisocyanate 脂肪族聚异氰酸酯 | X PMA | HDI | < 0.1 | 16.0 - 17.0 | 50 - 200 | < 40 | Low monomer version of Polurene MT 75, aliphatic polyisocyanate with high toughness. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. Polurene MT 75的低游离单体版本,具有高韧性的脂肪族聚异氰酸酯,适用于配制不黄的双组分聚氨酯涂料和烤漆。 |
| POLURGREEN MT 100 01* | 100 | HDI trimer 三聚体 | - | HDI | < 0.1 | 21.5 - 22.5 | 1800 - 3300 | < 40 | Low monomer version of Polurene MT 100, aliphatic trimer with high toughness. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. Polurene MT 100的低游离单体版本,具有高韧性的脂肪族异氰酸酯三聚体,适用于配制不黄的双组分聚氨酯涂料和烤漆。 |
| POLURGREEN MT 100 LV 01* | 100 | HDI trimer 三聚体 | - | HDI | < 0.1 | 22.0 - 23.0 | 900 - 1500 | < 40 | Low monomer version of Polurene MT 100 LV, low viscosity version of the aliphatic trimer. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. Polurene MT 100 LV (脂肪族异氰酸酯三聚体的低黏度版本)的低游离单体版本,适用于配制不黄的双组分聚氨酯涂料和烤漆。 |
| POLURGREEN MT 100 LLV 01* | 100 | HDI trimer 三聚体 | - | HDI | < 0.1 | 22.0 - 24.0 | 550 - 850 | < 60 | Low monomer version of Polurene MT 100 LLV, ultra low viscosity version of the aliphatic trimer. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. Polurene MT 100 LLV (脂肪族异氰酸酯三聚体的极低黏度版本)的低游离单体版本,适用于配制不黄的双组分聚氨酯涂料和烤漆。 |
| POLURGREEN MT 90 01* | 90 | HDI trimer 三聚体 | BA N | HDI | < 0.1 | 19.1 - 20.5 | 400 - 700 | < 40 | Low monomer version of Polurene MT 90, aliphatic trimer with high toughness. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. Polurene MT 90的低游离单体版本,具有高韧性的脂肪族异氰酸酯三聚体,适用于配制不黄的双组分聚氨酯涂料和烤漆。 |

POLURGREEN PRP

Ultra Low Free Monomer Prepolymers - 超低游离单体预聚物

Exempted from the restriction proposal on diisocyanates under REACH Regulation.
根据REACH法规豁免对二异氰酸酯的限制提议。

| product 产品 | % NV 固含 | type 类型 | solvent 溶剂 | type of isocyanate 异氰酸酯类型 | % free monomer 游离单体含量 | % NCO 含量 | Vx mPa*s 黏度 | characteristics & main applications 特性及主要应用范围 |
|-------------------------|------------|------------------|---------------|------------------------------|--------------------------|-------------|----------------------|--|
| POLURGREEN PRP 350 01* | 100 | aromatic 芳香族 | - | TDI | < 0.1 | 3.0 - 4.0 | 750 - 950 @ 40°C | Linear prepolymer with high elongation and tensile strength. 线性预聚物,具有高伸长率和拉伸强度。 |
| POLURGREEN PRP 450 01* | 100 | aromatic 芳香族 | - | TDI | < 0.1 | 4.0 - 5.0 | 840 - 1050 @ 40°C | Linear prepolymer with high elongation and tensile strength. 线性预聚物,具有高伸长率和拉伸强度。 |
| POLURGREEN PRP 750 01* | 100 | aromatic 芳香族 | - | TDI | < 0.1 | 7.0 - 8.0 | 6000 - 12000 @ 40°C | Linear prepolymer with high elongation and tensile strength. 线性预聚物,具有高伸长率和拉伸强度。 |
| POLURGREEN PRP 940 01 | 100 | aromatic 芳香族 | - | TDI | < 0.1 | 8.9 - 9.7 | 4000 - 10000 @ 40°C | High NCO, low viscosity linear prepolymer for adhesives, elastomer and sealants formulation. 高NCO含量和低黏度的线性预聚物,适用于配制胶粘剂,弹性体和密封胶。 |
| POLURGREEN PRP F 930 01 | 100 | aromatic 芳香族 | - | TDI | < 0.1 | 8.8 - 9.7 | 10000 - 20000 @ 50°C | High NCO prepolymer for foams formulation. 高NCO含量的预聚物,适用于发泡配方。 |
| POLURGREEN PRP 6050 01 | 100 | aromatic 芳香族 | - | MDI | < 0.1 | 4.0 - 6.0 | 4500 - 10500 @ 40°C | Linear NCO terminated prepolymer for adhesives and sealants formulation. 线性NCO封端的预聚物,适用于配制胶粘剂,弹性体和密封胶。 |
| POLURGREEN PRP 4041 01* | 100 | aliphatic 脂肪族 | - | HDI | < 0.1 | 9.0 - 10.0 | 1500 - 3500 @ 40°C | Aliphatic prepolymer for applications where maximum yellowing resistance is needed. 脂肪族预聚物,在需要最高耐黄变性时使用。 |
| POLURGREEN PRP 5500 01 | 100 | aromatic 芳香族 | - | TDI | < 0.1 | 2.0 - 3.0 | 3500 - 8500 @ 23°C | Branched NCO terminated prepolymer for sealants formulation. 支链性NCO封端的预聚物,适用于配制密封胶。 |

* Available also with standard monomer content <0.5 - 常规游离单体含量的也适用低於0.5

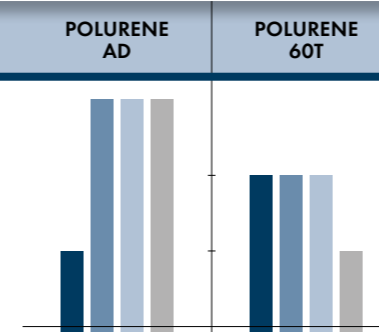
POLURENE

Aromatic Adducts - 芳香族加成物

Polyurethane adducts with low free TDI content, for general pupouses:
long pot life, high body filling, high gloss and high flexibility.
High compatibility with nitrocellulose, CAB, saturated polyesters, OH acrylic polyols and vinyl resins.
低游离TDI的通用型加成物类固化剂,具有活化期长,高填充性,高光泽和高柔韧性等特性,
且与硝化棉,CAB,饱和聚酯,羟基丙烯酸多元醇和乙烯基树脂均具有很好的相容性。

| product 产品 | % NV 固含 | type 类型 | solvent 溶剂 | type of isocyanate 异氰酸酯类型 | % free monomer 游离单体含量 | % NCO 含量 | Vx mPa*s @ 23°C 黏度 | max gardner color 最高色泽 |
|----------------------|------------|---------------|---------------|------------------------------|--------------------------|-------------|-----------------------|---------------------------|
| POLURENE AD | 75 | adduct 加成物 | EA | TDI | < 0.5 | 12.5 - 13.5 | 1200 - 3000 | 1 |
| POLURENE FP 75 | 75 | adduct 加成物 | EA | TDI | < 0.5 | 12.5 - 13.5 | 1200 - 3000 | 1 |
| POLURENE AD 67 | 67 | adduct 加成物 | X PMA | TDI | < 0.5 | 10.8 - 11.8 | 1200 - 3000 | 2 |
| POLURENE AD 67 BA LV | 67 | adduct 加成物 | BA | TDI | < 0.5 | 11.5 - 12.3 | 400 - 800 | 1 |
| POLURENE 60T | 60 | adduct 加成物 | BA | TDI | < 0.5 | 9.5 - 9.9 | 1200 - 2000 | 1 |

■ reactivity 反应性 ■ pot-life 使用期 ■ flexibility 挠性 ■ yellowing 黄变性



POLURENE

Aromatic Isocyanurates - 芳香族异氰酸酯

Aromatic isocyanurates with low free TDI content: fast curing, high hardness, limited yellowing. Suitable for the formulation of high quality sealers and topcoats.

低游离TDI芳香族异氰酸酯具有:快干,高硬度,有限的黄变性。适用于高质量封闭底漆和面漆的配制。

| product 产品 | % NV 固含 | type 类型 | solvent 溶剂 | type of isocyanate 异氰酸酯类型 | % free monomer 游离单体含量 | % NCO 含量 | Vx mPa*s @ 23°C 黏度 | max gardner color 最高色泽 |
|-------------------|------------|-------------------------------|---------------|------------------------------|--------------------------|-------------|-----------------------|---------------------------|
| POLURENE IR 51 BA | 50 | isocyanurate 异氰酸酯 | BA | TDI | < 0.5 | 7.8 - 8.2 | 700 - 1200 | 1 |
| POLURENE IR 51 EA | 50 | isocyanurate 异氰酸酯 | EA | TDI | < 0.3 | 7.8 - 8.2 | 100 - 400 | 1 |
| POLURENE AC 510 | 50 | isocyanurate 异氰酸酯 | BA | TDI | < 1.0 | 7.0 - 7.4 | 50 - 300 | 1 |
| POLURENE HRBS | 50 | isocyanurate 异氰酸酯 | BA | TDI | < 0.5 | 7.0 - 7.4 | 400 - 800 | 1 |
| POLURENE SB 50 BA | 50 | isocyanurate 异氰酸酯 | BA | TDI | < 0.5 | 8.0 - 8.4 | 200 - 600 | 1 |
| POLURENE 3031 | 50 | isocyanurate 异氰酸酯 | BA | TDI | < 0.5 | 8.5 - 9.0 | 250 - 650 | 1 |
| POLURENE 7581 | 50 | isocyanurate 异氰酸酯 | BA | TDI | < 0.5 | 7.7 - 8.3 | 200 - 500 | 1 |
| POLURENE IR 70 BA | 70 | isocyanurate 异氰酸酯 | BA | TDI | < 0.5 | 12.5 - 13.5 | 800 - 2000 | 1 |
| POLURENE IR 65 EA | 65 | isocyanurate 异氰酸酯 | EA | TDI | < 0.5 | 11.1 - 11.5 | 250 - 450 | 1 |
| POLURENE KC | 50 | mixed isocyanurate 混合型异氰酸酯 | BA | TDI MDI | < 0.5 | 7.8 - 8.0 | 200 - 400 | 1 |

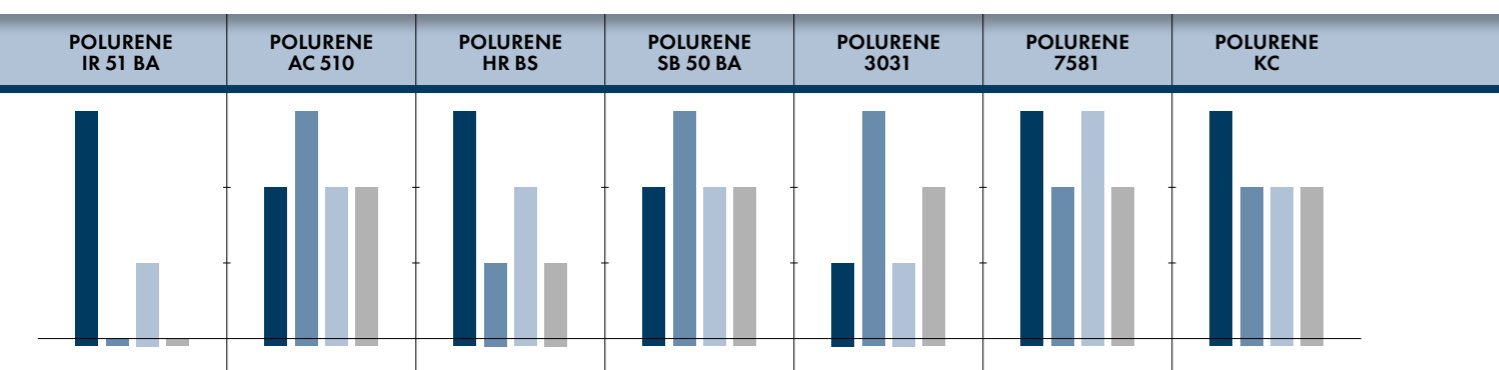


POLURENE

Aromatic Polyisocyanates MDI - 芳香聚异氰酸酯 MDI

| product 产品 | % NV 固含 | type 类型 | solvent 溶剂 | type of isocyanate 异氰酸酯类型 | % NCO 含量 | Vx mPa*s @ 23°C 黏度 | max gardner color 最高色泽 | characteristics & main applications 特性及主要应用范围 |
|-------------------|------------|-------------------------|---------------|------------------------------|-------------|-----------------------|---------------------------|--|
| POLURENE MD 50 EA | 50 | prepolymer 预聚物 | EA | MDI | 6.8 - 7.4 | < 50 | 1 | Polyisocyanate with high penetration on porous substrate, it blocks the substances from the substrate and uniformize the adsorption for the overcoating. It improves adhesion on difficult substrate. 聚异氰酸酯在多孔基材上具有较强的穿透性,可以阻挡基材中的化学物质(如:单宁酸),使吸附体均匀化。它提高了对复杂的基材的附着力。 |
| POLURENE MD 60 BA | 60 | prepolymer 预聚物 | BA | MDI | 5.0 - 6.0 | 200 - 650 | 1 | Polyisocyanate with high penetration on porous substrate, it blocks the substances from the substrate and uniformize the adsorption for the overcoating. It improves adhesion on difficult substrate. 聚异氰酸酯在多孔基材上具有较强的穿透性,可以阻挡基材中的化学物质(如:单宁酸),使吸附体均匀化。它提高了对复杂的基材的附着力。 |
| POLURENE MD 1500 | 100 | polyisocyanate 聚异氰酸酯 | - | MDI | 31.7 - 33.3 | < 50 | 18 | Polymeric MDI with excellent flexibility. Recommended for solvent free 2K PU coatings like self-levelings, synthetic mortars and adhesives. Fast drying and more flexible than POLURENE MD 1600. 具优异柔韧性的聚合MDI,快干,推荐用于无溶剂2K聚氨酯涂料如自流平,密封胶和合成砂浆并且比POLURENE MD 1600更灵活。 |
| POLURENE MD 1600 | 100 | polyisocyanate 聚异氰酸酯 | - | MDI | 31.0 - 32.0 | < 100 | 18 | Polymeric MDI with excellent flexibility. Recommended for solvent free 2K PU coatings like self-levelings, synthetic mortars and adhesives. 具优异柔韧性的聚合MDI,推荐用于无溶剂2K聚氨酯涂料如自流平,密封胶和合成砂浆。 |

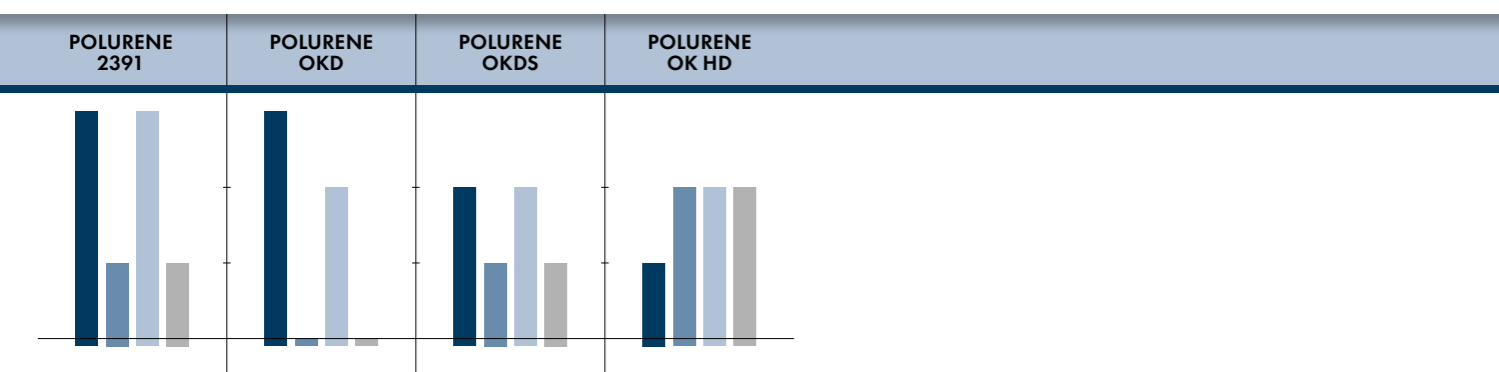
■ reactivity 反应性 ■ pot-life 使用期 ■ fullness 丰满度 ■ NC compatibility 硝化棉兼容性



| product 产品 | % NV 固含 | type 类型 | solvent 溶剂 | type of isocyanate 异氰酸酯类型 | % free monomer 游离单体含量 | % NCO 含量 | Vx mPa*s @ 23°C 黏度 | max gardner color 最高色泽 |
|------------------------|---------------|-------------------------------|---------------|---------------------------------|-----------------------------|----------------|-----------------------|---------------------------------|
| POLURENE 2391 | 70 | mixed isocyanurate 混合型异氰酸酯 | BA | TDI IPDI | < 0.5 | 11.7 - 12.0 | 800 - 1400 | 2 |
| POLURENE OKD | 60 | mixed isocyanurate 混合型异氰酸酯 | BA | TDI HDI | < 0.5 | 10.0 - 10.4 | 500 - 1100 | 1 |
| POLURENE OKD EA | 60 | mixed isocyanurate 混合型异氰酸酯 | EA | TDI HDI | < 0.5 | 10.0 - 10.4 | 100 - 400 | 1 |
| POLURENE OKDS | 60 | mixed isocyanurate 混合型异氰酸酯 | BA | TDI HDI | < 0.5 | 10.0 - 11.0 | 1100 - 3300 | 1 |
| POLURENE OK HP | 60 | mixed isocyanurate 混合型异氰酸酯 | BA | TDI HDI | < 0.5 | 9.3 - 10.3 | 200 - 500 | 1 |

| product 产品 | % NV 固含 | type 类型 | solvent 溶剂 | type of isocyanate 异氰酸酯类型 | % free monomer 游离单体 含量 | % NCO 含量 | Vx mPa*s @ 23°C 黏度 | max hazen color 最高色泽 | characteristics & main applications 特性及主要应用范围 |
|-----------------------------|---------------|--------------------------------------|---------------|---------------------------------|---------------------------------|----------------|-----------------------|-------------------------------|---|
| POLURENE T 70 | 70 | aliphatic polyisocyanate 脂肪族聚异氰酸酯 | BA | IPDI | < 0.5 | 11.8 - 12.2 | 800 - 1600 | <80 | Polyisocyanate trimer with high lightfastness and outdoor resistance. Suitable for the formulation of high demanding 2K PU coatings exhibits a good film formation. 聚异氰酸酯三聚体具有高耐光性, 耐候性。适用于配制高要求的2K PU涂料, 并具有良好的成膜性。 |
| POLURENE T 70 EA | 70 | aliphatic polyisocyanate 脂肪族聚异氰酸酯 | EA | IPDI | < 0.5 | 11.0 - 13.0 | 200 - 600 | <80 | Polyisocyanate trimer with high lightfastness and outdoor resistance. Suitable for the formulation of high demanding 2K PU coatings exhibits a good film formation. 聚异氰酸酯三聚体具有高耐光性, 耐候性。适用于配制高要求的2K PU涂料, 并具有良好的成膜性。 |
| POLURENE M 75 | 75 | aliphatic polyisocyanate 脂肪族聚异氰酸酯 | X PMA | HDI | < 0.38 | 16.0 - 17.0 | 150 - 310 | <40 | Aliphatic biuret with high flexibility. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 高柔韧性的脂肪族缩二脲, 适用于配制不黄变的2K PU涂料和烤漆。 |
| POLURENE M 75 BA | 75 | aliphatic polyisocyanate 脂肪族聚异氰酸酯 | BA | HDI | < 0.38 | 16.0 - 17.0 | 150 - 300 | <40 | Aliphatic biuret with high flexibility. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 高柔韧性的脂肪族缩二脲, 适用于配制不黄变的2K PU涂料和烤漆。 |
| POLURENE M 75 PMA | 75 | aliphatic polyisocyanate 脂肪族聚异氰酸酯 | PMA | HDI | < 0.38 | 16.2 - 16.8 | 175 - 325 | <40 | Aliphatic biuret with high flexibility. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 高柔韧性的脂肪族缩二脲, 适用于配制不黄变的2K PU涂料和烤漆。 |
| POLURENE MT 75* | 75 | aliphatic polyisocyanate 脂肪族聚异氰酸酯 | X PMA | HDI | < 0.15 | 16.0 - 17.0 | 50 - 200 | <40 | Aliphatic polyisocyanate with high toughness. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 脂肪族聚异氰酸酯, 具有高韧性, 适用于配制不黄变2K PU涂料和烤漆。 |
| POLURENE MT 100* | 100 | HDI trymer 三聚体 | - | HDI | < 0.15 | 21.5 - 22.5 | 2000 - 3000 | <30 | Aliphatic trimer with high toughness. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 高韧性的脂肪族三聚体, 适用于配制不黄变的2K PU涂料和烤漆。 |
| POLURENE MT 100 LV* | 100 | HDI trymer 三聚体 | - | HDI | < 0.15 | 22.0 - 24.0 | 900 - 1500 | <40 | Low viscosity version of the aliphatic trimer. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 低黏度的脂肪族三聚体, 适用于配制不黄变的2K PU涂料和烤漆。 |
| POLURENE MT 100 LLV* | 100 | HDI trymer 三聚体 | - | HDI | < 0.15 | 22.0 - 24.0 | 550 - 850 | <60 | Ultra Low viscosity version of the aliphatic trimer. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 超极低黏度的脂肪族三聚体, 适用于配制不黄变的2K PU涂料和烤漆。 |
| POLURENE MT 90* | 90 | HDI trymer 三聚体 | BA N | HDI | < 0.15 | 19.1 - 20.5 | 400 - 700 | <40 | Aliphatic trimer with high toughness. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 高韧性的脂肪族三聚体, 适用于配制不黄变的2K PU涂料和烤漆。 |
| POLURENE MT 90 BA* | 90 | HDI trymer 三聚体 | BA | HDI | < 0.15 | 19.1 - 20.5 | 300 - 700 | <40 | Aliphatic trimer with high toughness. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 高韧性的脂肪族三聚体, 适用于配制不黄变的2K PU涂料和烤漆。 |

■ reactivity 反应性
 ■ pot-life 使用期
 ■ fullness 丰满度
 ■ acrylic compatibility 丙烯酸兼容性



*Available for customization - 可定制

POLURENE BK

Blocked Polyisocyanates - 封闭型聚异氰酸酯

Solvent-borne blocked polyisocyanates for 1K PU stoving systems with high-performance properties.

应用在1K聚氨酯烤漆体系高性能溶剂型封闭型聚异氰酸酯

| product 产品 | % NV 固含 | solvent 溶剂 | type of isocyanate 异氰酸酯类型 | % free monomer 游离单体含量 | % blocked NCO 含量卡 | Vx mPa·s @ 23°C 黏度 | max gardner color 最高色泽 | characteristics & main applications 特性及主要应用范围 |
|----------------------------|------------|---------------|------------------------------|--------------------------|----------------------|-----------------------|---------------------------|--|
| POLURENE BK 5150 EA | 50 | EA | TDI | < 0.1 | 6.0 - 6.5 | <100 | 2 | TDI based polymer containing blocked and curable isocyanic groups. Recommended for nonwoven, PVC and fabric laminations. 基于TDI的聚合物,含有封闭和可固化异氰酸基团,推荐用于无纺布,PVC,纺织品压层上。 |
| POLURENE BK 1175 | 75 | N | HDI | < 0.2 | 10.6 - 11.6 | 2500 - 5000 | 1 | Blocked isocyanate suitable for the formulation of non yellowing 1K stoving enamels; it flexibilize and to increase the adhesion. 封闭型异氰酸酯,适用于配制不黄变1K烤漆;也可用于传统烤漆以提高柔韧性及附着力。 |
| POLURENE BK 1177 | 77 | N | HDI | < 0.2 | 10.9 - 11.9 | 4000 - 10000 | 1 | Low hazardousness blocked polyisocyanate suitable for the formulation of non yellowing 1K stoving enamels; it flexibilize and increase the adhesion. 低毒性封闭型聚异氰酸酯,适用于配制不黄变1K烤漆;也可用于传统烤漆以提高柔韧性及附着力。 |



REXIN

Vegetable Fatty Acids Alkyd Resins - 植物油脂脂肪酸醇酸树脂

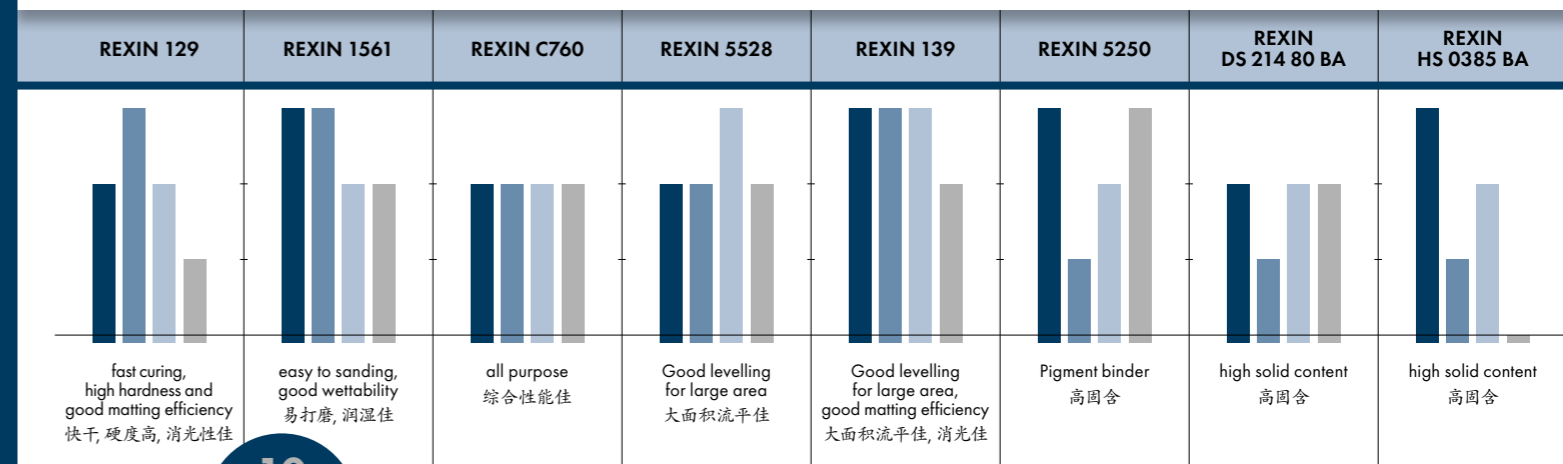
Short oil alkyd resins based on vegetable fatty acids: fast drying, excellent solvent release. In combination with flexible resins they can improve the sandability of the sealers.

Used alone can improve the surface hardness and the levelling of matt top coats.

以植物脂肪酸为基础的短油醇酸树脂:具快干和优异的溶剂释放性。与柔韧树脂搭配,它能改善底漆的打磨性;单独使用,它也能改善哑光面漆的表面硬度和流平性。

| product 产品 | % NV 固含 | solvent 溶剂 | % oil 油量 | Vx mPa·s @ 23°C 黏度 | N.A.max 最大数值 | N° OH 羟值 | % OH 羟基含量 | max gardner color 最高色泽 |
|---------------------------|------------|---------------|-------------|-----------------------|-----------------|-------------|--------------|---------------------------|
| REXIN 129 | 60 | X | 32 | 10000 - 22000 | 16 | 60 | 1.82 | 3 |
| REXIN 129 70 BA | 70 | BA | 32 | 3000 - 7000 | 18 | 90 | 2.70 | 3 |
| REXIN 129 70 X | 70 | X | 33 | 45000 - 65000 | 18 | 70 | 2.12 | 3 |
| REXIN 1561 | 60 | X | 39 | 4500 - 8500 | 9 | 80 | 2.42 | 3 |
| REXIN C760 | 60 | X | 35 | 4000 - 8000 | 7 | 80 | 2.42 | 3 |
| REXIN 5528 | 70 | X | 35 | 45000 - 65000 | 15 | 80 | 2.42 | 3 |
| REXIN 139 | 70 | X | 35 | 20000 - 38000 | 11 | 85 | 2.58 | 3 |
| REXIN 5250 | 70 | X | 31 | 10000 - 20000 | 13 | 80 | 2.42 | 2 |
| REXIN DS 214 80 BA | 80 | BA | 31 | 500 - 1000 | 10 | 110 | 3.33 | 5 |
| REXIN HS 0385 BA | 85 | BA | 33 | 1000 - 2000 | 15 | 150 | 4.54 | 5 |

■ sandability 打磨性
 ■ matting efficiency 消光效率
 ■ fullness 丰满度
 ■ flexibility 柔韧性

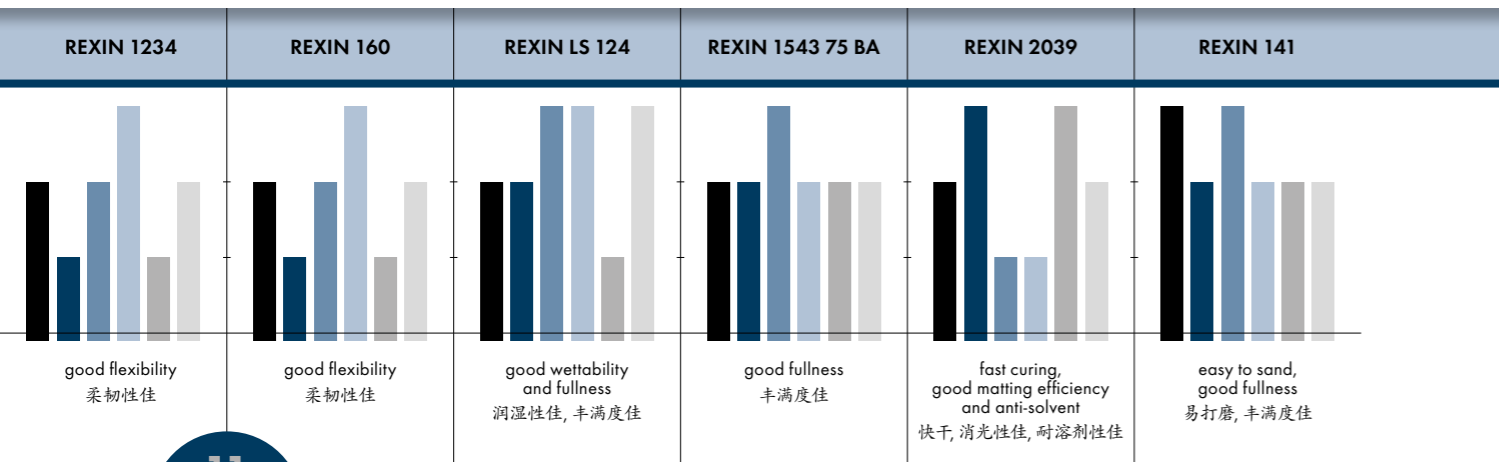


Short oil alkyd resins based on castor oil: good elasticity, low viscosity, good solvent release and fast drying. High wetting properties. For clear and pigmented PU coating.

以蓖麻油为基础的短油醇酸树脂:弹性良好,黏度低,溶剂释放性良好和快干,高润湿性,适用作为清漆和色漆的PU涂料。

| product 产品 | % NV 固含 | solvent 溶剂 | % oil 油量 | Vx mPa*s @ 23°C 黏度 | N.A.max 最大酸值 | N° OH 羟值 | % OH 羟基含量 | max gardner color 最高色泽 |
|------------------|------------|---------------|-------------|-----------------------|-----------------|-------------|--------------|---------------------------|
| REXIN 1234 | 60 | X | 43 | 1500 - 3500 | 15 | 90 | 2.72 | 3 |
| REXIN 160 | 60 | X | 57 | 1500 - 2500 | 9 | 85 | 2.58 | 3 |
| REXIN LS 124 | 70 | X | 60 | 800 - 1600 | 10 | 100 | 3.03 | 3 |
| REXIN 1543 75 BA | 75 | BA | 52 | 4000 - 8000 | 12 | 130 | 3.90 | 3 |
| REXIN 2039 | 50 | X MEK | 31 | 7000 - 13000 | 20 | 80 | 2.42 | 3 |
| REXIN 141 | 60 | X | 40 | 3000 - 5000 | 14 | 90 | 2.72 | 3 |

sandability 打磨性
 matting efficiency 消光效率
 fullness 丰满度
 flexibility 柔韧性
 anti-solvent 耐溶剂性
 wettability 润湿性

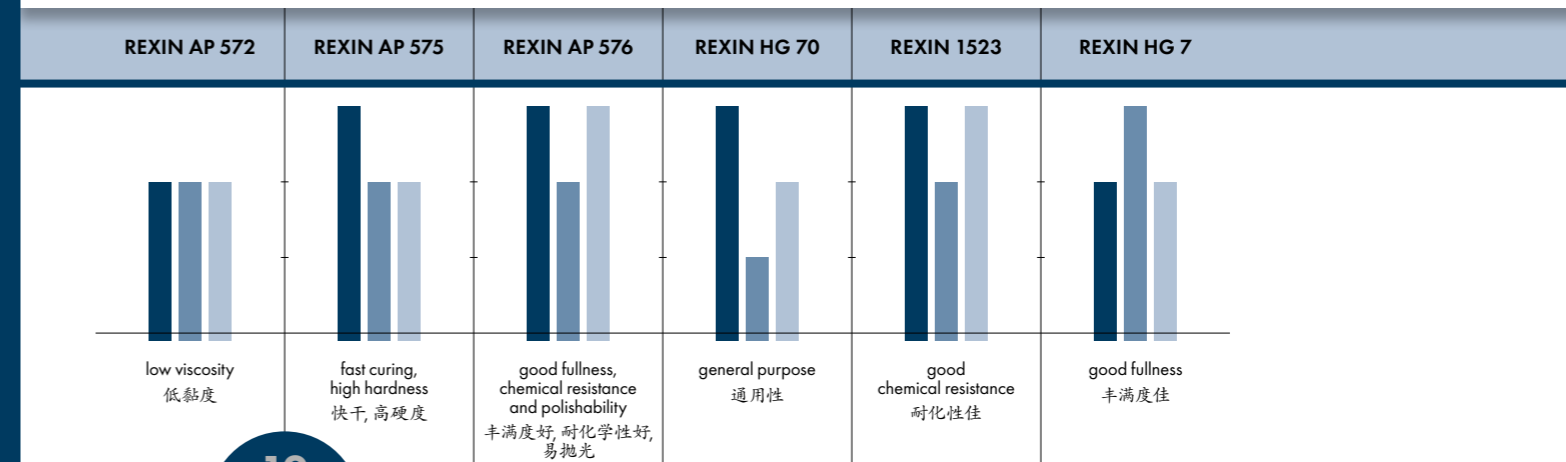


Short oil alkyd resins based on saturated fatty acids: excellent gloss, excellent hardness and yellowing resistance. For clear and pigmented PU coatings. Stoving enamels with high flexibility, hardness and high solid content.

以饱和脂肪酸为基础的短油醇酸树脂:光泽出色,硬度出众及耐黄变性优异,适用作为清漆和色漆的PU涂料。在烤漆使用上具有高度的柔韧性和硬度;也可用在高固含涂料。

| product 产品 | % NV 固含 | solvent 溶剂 | % oil 油量 | Vx mPa*s @ 23°C 黏度 | N.A.max 最大酸值 | N° OH 羟值 | % OH 羟基含量 | max gardner color 最高色泽 |
|---------------|------------|---------------|-------------|-----------------------|-----------------|-------------|--------------|---------------------------|
| REXIN AP 572 | 80 | X | 27 | 7000 - 12000 | 12 | 118 | 3.56 | 1 |
| REXIN AP 575 | 80 | X | 32 | 35000 - 45000 | 20 | 110 | 3.33 | 1 |
| REXIN AP 576 | 80 | X | 27 | 30000 - 45000 @ 25°C | 13 | 127 | 3.85 | 1 |
| REXIN HG 70 | 70 | X | 27 | 1300 - 3000 | 15 | 90 | 2.73 | 3 |
| REXIN 1523 | 70 | BA | 33 | 3000 - 6000 | 10 | 130 | 3.94 | 3 |
| REXIN HG 7 | 80 | X | 34 | 40000 - 50000 | 12 | 120 | 3.63 | 1 |

polishability 抛光性
 fullness 丰满度
 chemical resistance 耐化性



| product 产品 | % NV 固含 | solvent 溶剂 | % oil 油长 | type of oil 油种 | Vx mPa*s@23°C 黏度 | N.A. max 最大酸值 | N° OH 羟值 | % OH 羟基含量 | max gardner color 最高色泽 | characteristics & main applications 特性及主要应用范围 |
|-----------------|---------------|---------------|----------------|--------------------------------|---------------------|------------------|-------------|-----------------|---------------------------------|---|
| REXIN 2268 | 80 | x | 27 | saturated fatty acids 饱和脂肪酸 | 3000 - 6000 | 15 | 110 | 3.33 | 2 | Special aliphatic resin with excellent yellowing resistance. It is suitable for clear and pigmented non yellowing high gloss top coats with excellent fullness, levelling and pigments wettability. Complete compatibility with acrylic resins. 具优异耐黄变性的特殊脂肪族树脂,适用于不黄变高光清和着色面漆上,展现优异的丰满度,流平性和颜料润湿性,与羟基丙烯酸树脂完全兼容。 |
| REXIN 2281 70 X | 70 | x | 40 | vegetable fatty acids 植物脂肪酸 | 800 - 1400 | 12 | 85 | 2.58 | 5 | Binder for universal pigmented paste. Compatible with short - medium - long oil alkyd resins, saturated polyesters, acrylic, epoxy, urea and melamine resins, chetonic and maleic resins. Not compatible with unsaturated polyester and waterborne resins. 作为通用型色浆中的结合剂,与各种油长的醇酸树脂,饱和聚酯,丙烯酸树脂,环氧树脂,脲素和三聚氰胺树脂,酮类和马来树脂等兼容;但与不饱和聚酯和水性树脂不兼容。 |

| product 产品 | % NV 固含 | solvent 溶剂 | Vx mPa*s@23°C 黏度 | N.A. max 最大酸值 | N° OH 羟值 | % OH 羟基含量 | max gardner color 最高色泽 | characteristics & main applications 特性及主要应用范围 |
|--------------------|---------------|---------------|---------------------|------------------|-------------|-----------------|---------------------------------|---|
| REXIN HSP 05100 | 100 | - | 24000 - 32000 | 15 | 210 | 6.36 | 3 | Excellent hardness. High chemical resistance. Excellent abrasion resistance. Excellent leveling. High gloss clear and pigmented 2K PU coatings. Product suitable for high solid formulations. 具出色的硬度,高耐化学性,优异的抗磨性和流平性。适合配制高光清漆和色漆的2K PU涂料,同时也适合在高固含配方。 |
| REXIN HSP 411 | 100 | - | 20000 - 40000 | 4 | 180 | 5.45 | 2 | Slightly branched solventless polyester resin. Good chemical resistance. Good hardness and excellent flexibility. It is recommended for 2K PU parquet coatings. 微支化无溶剂聚酯树脂。具有耐化学性,高硬度且高柔韧性。推荐用于2K PU地板漆。 |
| REXIN HSP 412 | 100 | - | 3500 - 6500 | 4 | 185 | 5.60 | 2 | Slightly branched solventless polyester resin. High chemical resistance. Excellent elasticity. For coatings and enamels for metal, wood, plastic and rubber. 微支化无溶剂聚酯树脂。具有高耐化学性,卓越的弹性。适用于金属,木器,塑胶以及橡胶上的涂料及烤漆。 |
| REXIN HSP 430 | 100 | - | 7000 - 11000 @ 25°C | 4 | 50 | 1.51 | 1 | Solventless polyester resin. Excellent elasticity. Suitable for coatings and enamels for paper, leather, plastic and rubber. It is used for the formulation of coatings with soft touch effect. 无溶剂聚酯树脂,弹性出色。适合在纸张,皮革,塑胶及橡胶上用作涂料和烤漆,也可用于具弹性漆效果的配方上。 |
| REXIN HSP 50 | 100 | - | 500 - 1300 | 2 | 160 | 4.84 | 4 | Saturated polyester resin with high wettability and flexibility. Suitable for high filled two-pack coatings and adhesives formulations. 高润湿性和柔韧性的饱和聚酯树脂,适用于高填充性双组分涂料或胶粘剂配方。 |
| REXIN DP 127 | 70 | BA | 1800 - 3500 | 15 | 125 | 3.79 | 3 | Excellent hardness. Good abrasion resistance. Excellent yellowing resistance. Excellent wetting properties. High gloss and fast drying clear and pigmented 2K PU coatings. It is recommended for pigmented paste. 具出色的硬度,优异的抗磨性,耐黄变性和润湿性。适合配制高光和快干清漆和色漆的2K PU涂料,也推荐用在配制色浆。 |
| REXIN DP 328 | 70 | BA | 3000 - 5000 | 13 | 110 | 3.33 | 3 | Good hardness and flexibility. Good abrasion resistance. Good filling and solvent release. Good compatibility with Nitrocellulose. It can be used in combination with urea and melamine resins. Clear and pigmented 2K PU coatings. 具高硬度和柔韧性,高耐磨性,良好的填充性和溶剂释放性,与硝化棉有良好的兼容性,也可以与脲素和三聚氰胺树脂搭配使用,用作2K PU清漆和色漆。 |
| REXIN DP 390 | 60 | X | 2000 - 3500 | 10 | 85 | 2.58 | 3 | Good flexibility and hardness. Fast drying. Long Pot-life. Good overspraying resistance. Suitable for clear and pigmented matt and high gloss 2K PU sealer and top coats. 良好的柔韧性及硬度。活化期长,防止过喷,适用于清色哑光漆,以及2KPU 高光封闭底漆及面漆。 |
| REXIN DP 390 70 BA | 70 | BA | 2600 - 3600 | 12 | 100 | 3.03 | 3 | Good flexibility and hardness. Fast drying. Long Pot-life. Good overspraying resistance. Suitable for clear and pigmented matt and high gloss 2K PU sealer and top coats. 良好的柔韧性及硬度。活化期长,防止过喷,适用于清色哑光漆,以及2KPU 高光封闭底漆及面漆。 |
| REXIN DP 408 80 BA | 80 | BA | 1000 - 1800 | 4 | 240 | 7.28 | 3 | Highly branched polyester resin. High chemical resistance. Excellent hardness and abrasion resistance. It is recommended for 2K PU parquet coatings and enamels for metal. 高支链化聚酯树脂,高耐化学性,出色的硬度和抗磨性。推荐用于2K PU地板漆或金属烤漆。 |
| REXIN DP 315 | 75 | X | 17000 - 25000 | 15 | 125 | 3.79 | 3 | Saturated polyester resin for pigmented and high gloss topcoat. Fast drying, good levelling, excellent hardness and fullness, especially designed for black finish. 用于着色高光面漆上的饱和聚酯树脂。快干,流平性好,具出色的硬和丰满度,专为配制高光黑漆。 |
| REXIN DP 500 | 70 | N | 4000 - 9000 | 6 | 55 | 1.72 | 1 | Saturated polyester resin that exhibits good balance between hardness and flexibility. Can be used in combination with melaminic resins to improve flexibility, adhesion and chip resistance in stoving enamels. Recommended for industrial coatings, baking enamel, and general purpose metal applications with high gloss retention and high scratch resistance. 饱和聚酯树脂具有良好的硬度跟柔韧性的平衡。与三聚氰胺树脂在烤漆上配合使用时可改善柔韧性,附着力及耐冲击性。推荐用于需要高光漆保留性和高耐刮性的工业涂料,烤漆及一般金属漆的应用上。 |

| product 产品 | % NV 固含 | type of isocyanate 异氰酸酯类型 | solvent 溶剂 | Vx mPa*s @ 23°C 黏度 | pH 酸碱值 | characteristics & main applications 特性及主要应用范围 |
|---------------|------------|------------------------------|---------------------------|-----------------------|-----------|---|
| BLUEPUR 2937 | 35.5 | aliphatic 脂肪族 | coalescent free 不含成膜助剂 | 250 max | 7.0 - 9.0 | Resin for application in 1K and 2K waterborne system. This resin have a self crosslinking behaviour that confer high hardness. Very fast drying. It can be used to formulate transparent and pigmented coating. 用于1K或2K水性系统的树脂,此树脂有自交联的属性,因此带来高硬度,极快干,可用于配制清漆和色漆涂料。 |
| BLUEPUR 3037 | 38 | aliphatic 脂肪族 | coalescent free 不含成膜助剂 | 500 max | 7.0 - 8.0 | Resin for application in 1K and 2K waterborne system. This resin have a self crosslinking behaviour that confer high hardness. The high flexibility of the resin let it suitable for the formulation of coating for metal and plastic. 用于1K或2K水性系统的树脂,此树脂有自交联的属性,因此带来高硬度,其高柔韧性使它适用在金属和塑胶涂料上。 |
| BLUEPUR 3070 | 40 | aliphatic 脂肪族 | coalescent free 不含成膜助剂 | 200 max | 7.0 - 9.0 | Tough and flexible. Good abrasion resistance. Good adhesion on plastic and metal beside wood and porous substrate. High lightfast resistance. Main application plastic and wood coating. 柔韧性佳,耐磨性佳。在除塑胶,金属以外还在木器和多孔材料上具有良好的附着力,耐光性。主要应用于塑胶和木器上。 |
| BLUEPUR 3080 | 40 | aliphatic 脂肪族 | coalescent free 不含成膜助剂 | 500 max | 7.0 - 8.0 | Resin for application in 1K and 2K waterborne system. It's special structure let the possibility to use this resin for coalescing aid with PUD and acrylic emulsion. The high elasticity let it suitable for the formulation of coating for metal and plastic. 用于1K或2K水性系统的树脂,由于其特别结构使它可以在PUD和丙烯酸乳液有着成膜助剂的功用,其高柔韧性使它适用在金属和塑胶涂料上。 |

BLUEPUR T

Polyurethane Waterborne High Elasticity Dispersions - 水性高弹性聚氨酯分散体

| product 产品 | % NV 固含 | type of isocyanate 异氰酸酯类型 | solvent 溶剂 | tensile strength MPa | % elongation at break | 100% elongation modulus MPa | Vx mPa*s @ 23°C 黏度 | pH 酸碱值 | characteristics & main applications 特性及主要应用范围 |
|---------------|------------|------------------------------|---------------------------|-------------------------|-----------------------|--------------------------------|-----------------------|-----------|---|
| BLUEPUR T 52 | 50 | aliphatic 脂肪族 | coalescent free 不含成膜助剂 | 35 | 750 | 2.5 | < 200 | 7.0 - 9.0 | PUD with good soft-handle. It exhibits excellent hydrolysis and alkali resistance. It shows good mechanical properties, high tensile strength, high elongation at break and good modulus. 有着良好柔软手感的水性聚氨酯分散体,它具有优异的耐水解和耐碱性,同时展示良好机械性能兼高拉伸强度和断裂伸长率,以及低模数。 |
| BLUEPUR T 53 | 43 | aliphatic 脂肪族 | coalescent free 不含成膜助剂 | 30 | 600 | 3.5 | < 500 | 7.0 - 9.0 | Good adhesion on different substrate. It exhibits good rub resistance at low temperature. It shows good mechanical properties, high tensile strength, high elongation at break and good modulus. 在多种物料上有良好附着力,它具有良好低温耐磨性,同时展示良好机械性能兼高拉伸强度和断裂伸长率,以及良好的模数。 |
| BLUEPUR T 71 | 50 | aliphatic 脂肪族 | coalescent free 不含成膜助剂 | 25 | 700 | 1.7 | < 3000 | 6.5 - 8.5 | PUD with good high gloss film forming properties and full handle. It exhibits excellent hydrolysis and alkali resistance. It shows good mechanical properties, high tensile strength, high elongation at break and good modulus. It can be crosslinked with HYDRORENE, hydro dispersible isocyanate, and also with melamminic resin. If not crosslinked, can be welded. 有着良好高光成膜性能和完全的手感的水性聚氨酯分散体,它具有优异的耐水解和耐碱性,同时展示良好机械性能兼高拉伸强度和断裂伸长率,以及低模数。它也可与 HYDRORENE,水性聚异氰酸酯分散体和三聚氰胺树脂交联,若不交联,可以焊接。 |

Self Crosslinking Emulsions - 自交联乳液

| product 产品 | % NV 固含 | pH 酸碱值 | MFFT °C | Vx mPa*s @ 23°C 黏度 | characteristics & main applications 特性及主要应用范围 |
|---------------|------------|-----------|---------|-----------------------|--|
| BLUECRYL 012 | 40 | 7.0 - 9.0 | 32 | 10 - 200 | Good scratch. Good yellowing resistance. Good water and chemical resistance. Good anti-blocking effect. Good sandability. Main application: decorative. 良好的抗刮伤,耐黄变性能和耐磨性,具有良好的防水,防腐和抗黏连性,主要用于装饰用品。 |
| BLUECRYL 090 | 40 | 7.0 - 9.0 | 42 | 10 - 200 | Clarity and transparency. Fast drying. Fast blocking resistance coatings. Good chemical resistance and flexibility. Main application: general industry. 清晰度,透明度高,具有快干,耐结块,良好的抗化学性和柔韧性,主要用于一般工业漆。 |
| BLUECRYL 092 | 40 | 7.0 - 9.0 | 44 | 10 - 200 | Fast blocking resistance. Excellent elasticity & flexibility. Excellent chemical resistance. High scratch resistance. Main application: furniture. 耐结块,具有良好的柔韧性和抗化学性能,优越的抗刮伤性,主要用于家具涂料。 |
| BLUECRYL 098 | 42 | 7.0 - 9.0 | 5 | 10 - 200 | Fast drying. Fast blocking resistance. Excellent elasticity & flexibility. Yellowing resistance. Good early water resistance. Low water absorption. Excellent chemical resistance. Main application: joinery. 具有快干,耐结块,良好的柔韧性,耐黄变性,早期抗水性好,吸水率低,抗化学性能,主要用于细木工制品。 |

OH Acrylic Dispersions - OH丙烯酸分散体

| product 产品 | % NV 固含 | pH 酸碱值 | MFFT °C | % OH 羟基含量 | Vx mPa*s @ 23°C 黏度 | characteristics & main applications 特性及主要应用范围 |
|---------------|------------|-----------|---------|--------------|-----------------------|--|
| BLUECRYL 213 | 47 | 3.5 - 5.5 | 40 - 42 | 1.3 | < 1000 | Good adhesion on different substrate. Good mechanical properties. Good resistance to solvent and water, once crosslinked. High lightfast resistance. Main application: Industrial flooring and general industry. 在不同的基底中具有良好的附着力,抗机械性,良好的耐溶剂和防水性,耐黄变性高,主要用于工业地坪漆和一般的工业漆中。 |
| BLUECRYL 233 | 46 | 7.0 - 9.0 | - | 3.3 | < 2000 | Good wetting property, is suitable for the formulation of pigmented system. Tough and flexible surface. Good resistance to water and solvent. Main application: industrial flooring and general industry. 良好的润湿性,适用于色素体系配方,表面手感好,良好的防水和耐溶剂性能,主要用于地坪漆和一般工业漆。 |
| BLUECRYL 242 | 46 | 7.0 - 9.0 | - | 4.2 | < 3000 | Good wetting property, is suitable for the formulation of pigmented system. Tough and flexible surface. Good resistance to water and solvent. Can be formulated in 1K stoving enamel with melamine resin or in combination with blocked isocyanate. Main application: industrial flooring and general industry. 良好的润湿性,适用于色素体系配方,表面手感好,良好的防水和耐溶剂性能,能和三聚氰胺树脂用于1K烤漆中,或和封闭型异氰酸酯联用,主要用于地坪漆和一般工业漆。 |

HYDRORENE

Hydrodispersible Polyisocyanates - 水分散性聚异氰酸酯

UCOPOL

Moisture Curing Polyurethanes - 潮固化聚氨酯



| product 产品 | % NV 固含 | type of isocyanate 异氰酸酯类型 | solvent 溶剂 | % NCO 含量 | Vx mPa*s @ 23°C 黏度 | characteristics & main applications 特性及主要应用范围 |
|-------------------|---------------|---------------------------------|---------------|----------------|-----------------------|---|
| HYDRORENE AW 1 | 100 | aliphatic 脂肪族 | free 不含 | 16.0 - 18.0 | 2000 - 4000 | High dispersibility isocyanate for the formulation of 2K waterborne varnishes with good chemical and abrasion resistance. 用于双组分水性清漆的高分散性异氰酸酯,具有良好的耐化学性和抗磨性。 |
| HYDRORENE AW 4 | 100 | aliphatic 脂肪族 | free 不含 | 20.0 - 21.0 | 1000 - 3000 | High dispersibility isocyanate for the formulation of 2K waterborne varnishes with good body filling and gloss. 用于双组分水性清漆的高分散性异氰酸酯,具有良好的填充性和光泽。 |
| HYDRORENE AW 5 | 100 | aliphatic 脂肪族 | free 不含 | 15.5 - 16.5 | 5000 - 9000 | 2K waterborne varnishes with excellent chemical and abrasion resistance. Suitable for acrylic and PU waterborne systems. Recommended in high gloss topcoat. 使用在双组分水性清漆,具优秀耐化学性和抗磨性,也适用于丙烯酸和聚氨酯水性系统,推荐用于高光面漆。 |

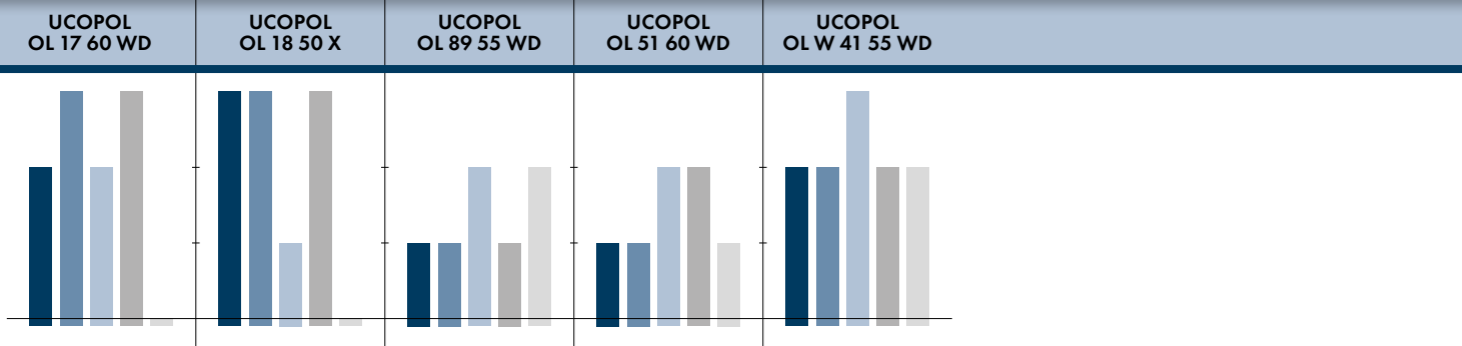
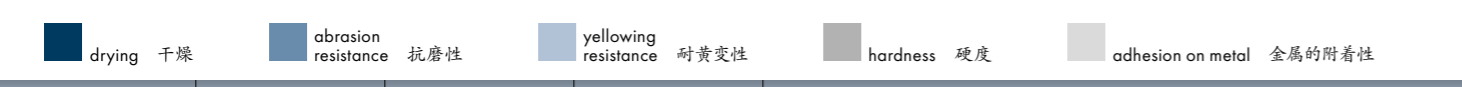
HYDRORENE 01

Low Monomer Content Hydrodispersible Polyisocyanates
低单体含量的聚异氰酸酯水分散体

| product 产品 | % NV 固含 | type of isocyanate 异氰酸酯类型 | solvent 溶剂 | free monomer 游离单体含量 | % NCO 含量 | Vx mPa*s @ 23°C 黏度 | characteristics & main applications 特性及主要应用范围 |
|----------------------|---------------|---------------------------------|---------------|------------------------|----------------|-----------------------|---|
| HYDRORENE AW 1 01 | 100 | aliphatic 脂肪族 | free 不含 | < 0.1 | 16.0 - 18.0 | 2000 - 4000 | Low free monomer version of HYDRORENE AW 1. 水性固化剂的低游离单体版本。 |
| HYDRORENE AW 4 01 | 100 | aliphatic 脂肪族 | free 不含 | < 0.1 | 20.0 - 21.0 | 1000 - 3000 | Low free monomer version of HYDRORENE AW 4. 水性固化剂的低游离单体版本。 |
| HYDRORENE AW 6 01 | 100 | aliphatic 脂肪族 | free 不含 | < 0.1 | 22.0 - 24.0 | 550 - 850 | High dispersibility and hydrophobicity low viscosity polyisocyanate for the formulation of 2K waterborne varnishes with good chemical and abrasion resistance. 高分散性、疏水性、低粘度的聚异氰酸酯可用于2K水性亮光漆配方,并且具有良好的化学性能和耐磨性。 |

| product 产品 | % NV 固含 | type 类型 | solvent 溶剂 | type of isocyanate 异氰酸酯类型 | free monomer 游离单体含量 | % NCO 含量 | Vx mPa*s @ 23°C 黏度 | max gardner color 最高色泽 | characteristics & main applications 特性及主要应用范围 |
|-----------------------|---------------|-------------------|---------------|---------------------------------|------------------------|----------------|-----------------------|---------------------------------|--|
| UCOPOL M 505 | 53 | prepolymer 预聚物 | EA BA | TDI | < 0.5 | 4.4 - 5.2 | < 50 | 1 | Ready to use. Excellent flexibility. Coating for wood, plastic, concrete, rubber, textile and leather. 即用,极好的灵活性,涂料用于木材,塑料,混凝土,橡胶,纺织和皮革。 |
| UCOPOL M 33 60 | 60 | prepolymer 预聚物 | X PMA | TDI | < 0.5 | 5.5 - 6.5 | 250 - 500 | 1 | Fast curing. Excellent hardness. Coating for parquet. 快速固化,硬度好,涂装木地板。 |
| UCOPOL M 33 60 PMA | 60 | prepolymer 预聚物 | PMA | TDI | < 0.5 | 5.5 - 6.5 | 250 - 450 | 1 | Fast curing. Excellent hardness. Coating for parquet. 快速固化,硬度好,涂装木地板。 |
| UCOPOL M 34 60 LV | 60 | prepolymer 预聚物 | X PMA | TDI | < 0.3 | 6.8 - 7.8 | 800 - 1600 | 1 | Abrasion resistance. Good balance between hardness and flexibility. Coating for parquet. 抗磨性硬度和灵活性,涂装木地板。 |
| UCOPOL M 4054 | 60 | prepolymer 预聚物 | X PMA | TDI | < 0.5 | 6.25 - 6.75 | 250 - 750 | 2 | Hardness and good brightness. Coating for parquet and plastic. 硬度亮度好,涂层用于实木复合地板和塑料。 |
| UCOPOL M 2851 | 60 | prepolymer 预聚物 | X PMA | TDI | < 0.5 | 5.0 - 6.0 | 600 - 1200 | 1 | Adhesion. Coating for parquet, metal and plastic. 附着力,镶木地板,金属和塑料涂层。 |
| UCOPOL W 708 | 65 | prepolymer 预聚物 | X PMA N | HDI | < 0.5 | 10.0 - 11.0 | 300 - 700 | 2 | Yellowing resistance. High chemical and weather resistance. Coating for wood, plastic, concrete and metal. 耐黄变,高耐化学性和耐候性,涂料用于木材,塑料,混凝土和金属。 |
| UCOPOL M 601 | 100 | prepolymer 预聚物 | - | MDI | | 22.0 - 24.0 | < 200 | 18 | 1K Primer for concrete solventless and odourless. Ready to use product with good wettability and penetration into the substrate. Shorter cross-linking time than UCOPOL M 602. 无溶剂和无味,能立即使用的1K混凝土底漆,具有良好的润湿性和材料的渗透性,交联时间比UCOPOL M 602较短。 |
| UCOPOL M 602 | 100 | prepolymer 预聚物 | - | MDI | | 22.0 - 24.0 | < 200 | 18 | 1K Primer for concrete solventless and odourless. Ready to use product with good wettability and penetration into the substrate. 无溶剂和无味,能立即使用的1K混凝土底漆,具有良好的润湿性和材料的渗透性。 |
| UCOPOL M 621 | 100 | prepolymer 预聚物 | - | MDI | | 15.0 - 17.0 | 4500 - 7500 | 18 | It can be used as impregnating agent of porous substrate as cement screed. It can also be used as a binder in the formulation of solvent-free moisture curing one-component adhesives or in combination with polyols for the formulation of 2K sealants. It has excellent adhesion on different substrate, e.g. wood, metal and plastic. 可作为水泥找平等多孔基材的浸渍剂。也可作为浆料应用在单组分无溶剂潮固化的胶粘剂配方,同时也可与多元醇结合用于2K密封胶的配方。对木材、金属、塑料等基材具有良好的附着力。 |

| product 产品 | % NV 固含 | solvent 溶剂 | type of isocyanate 异氰酸酯类型 | type of oil 油种 | Vx mPa*s@23°C 黏度 | N.A. max 最大酸值 | max gardner color 最高色泽 | characteristics & main applications 特性及主要应用范围 |
|----------------------|------------|---------------|------------------------------|------------------------------|---------------------|------------------|---------------------------|--|
| UCOPOL OL 17 60 WD | 60 | WD | aromatic 芳香族 | drying 干性 | 3000 - 7000 | 1 | 6 | Good outdoor and abrasion resistance. Coating for window frames and boats. Impregnating agent for wood, anti corrosive paints. Resin obtained from renewable raw materials. 良好的户外使用性和抗磨性,适用在窗框和游艇涂料,木材浸渍剂或防腐油漆.树脂来自可再生原材料. |
| UCOPOL OL 18 50 X | 50 | X | aromatic 芳香族 | drying 干性 | 4000 - 7000 | 0.3 | 6 | Good hardness, fast drying. Outdoor resistance. Easily matting properties. Impregnating agent for wood, anti corrosive paints. Resin obtained from renewable raw materials. 高硬度,快干,易消光,有不错的耐候性,宜用在作木材浸渍剂或防腐油漆.树脂来自可再生原材料. |
| UCOPOL OL 89 55 WD | 55 | WD | aromatic 芳香族 | special fatty acids 特种脂肪酸 | 800 - 1600 | 3 | 6 | Good outdoor and abrasion resistance. Coating for window frames and boats. Impregnating agent for wood, anti corrosive paints. Resin obtained from renewable raw materials. 良好的户外使用性和抗磨性,适用在窗框和游艇涂料,木材浸渍剂或防腐油漆.树脂来自可再生原材料. |
| UCOPOL OL 51 60 WD | 60 | WD | aromatic 芳香族 | special fatty acids 特种脂肪酸 | 4000 - 7000 | 4 | 6 | Good outdoor resistance. Fast drying. For high quality glossy and mat coating. Good overcoating performances. Resin obtained from renewable raw materials. 良好的户外使用性,快干,适用在高档高光或哑光涂料,具良好复涂性能.树脂来自可再生原材料. |
| UCOPOL OL W 41 55 WD | 55 | WD | aliphatic 脂肪族 | special fatty acids 特种脂肪酸 | 4000 - 7000 | 4 | 6 | Excellent outdoor resistance and hardness. Good chemical resistance. Suitable for white and light coloured enamels in building and nautical field. Non yellowing enamels with excellent filling power. Resin obtained from renewable raw materials. 优异的户外使用性和硬度,良好的耐化学性,适用在浅色或白色建筑和航海领域的不变色瓷漆上,具良好的填充能力.树脂来自可再生原材料. |



| product 产品 | % NV 固含 | type 类型 | solvent 溶剂 | type of isocyanate 异氰酸酯类型 | Vx mPa*s@23°C 黏度 | max gardner color 最高色泽 | characteristics & main applications 特性及主要应用范围 |
|----------------|------------|------------------|---------------|------------------------------|---------------------|---------------------------|---|
| UCOFLEX 630 IB | 30 | elastomer 弹性体 | IB | IPDI | 1000 - 2000 | 1 | Clear and pigmented paints for ABS, PVC, PUR, Polystyrene and Paper. Good yellowing, abrasion and shock resistance. 具有良好的耐黄变性,抗磨性和抗冲击性,可在ABS, PVC,PUR,PS和纸张等材料上作为清漆和色漆的使用. |

POLURENADD

Additives - 添加剂

| product 产品 | characteristics & main applications 特性及主要应用范围 |
|-----------------|---|
| POLURENADD S 51 | Catalyst to accelerate 2K PU curing, it promotes the reaction between hydroxyl groups and isocyanic groups. 用以提升2K PU交联固化速度的催化剂,它促使羟基和异氰酸基团的反应. |
| POLURENADD BF 5 | Moisture scavenger for 1K and 2K polyurethane coatings, it acts on long term therefore advisable for in can storage. 用在1K和2K聚氨酯涂料上的除湿剂,由于它长期有效,建议添加在包装内作储存用. |
| POLURENADD PTSI | Moisture scavenger for 1K and 2K polyurethane coatings, it reacts quickly with residual moisture trapped in formulation step (mixing and filler addition). 用于1K或者2K聚氨酯涂料中的除湿剂,它能在配制涂料过程中(混合与颜料添加)与混入的水份迅速反应. |
| POLURENADD 20 X | Anti-sagging and anti-settling additive for solvent based coatings. 应用在溶剂性体系的防沉与防流挂助剂. |

POLURENE TPI

Adhesion Promoter - 附着力促进剂

| product 产品 | % NV 固含 | type 类型 | solvent 溶剂 | type of isocyanate 异氰酸酯类型 | % NCO 含量 | Vx mPa*s@23°C 黏度 | max gardner color 最高色泽 | characteristics & main applications 特性及主要应用范围 |
|--------------------|------------|-------------------------|---------------|------------------------------|-------------|---------------------|---------------------------|---|
| POLURENE TPI 27 EA | 27 | polyisocyanate 聚异氰酸酯 | EA | TPTI | 7.0 - 7.4 | < 50 | 18 | Special polyisocyanate developed for the formulation of products with good adhesion on melamine paper, it can help also on substrate contaminated by residual release agent. 一款在配方上需对三聚胺胺纸张提供良好附着力要求而专门开发的特殊聚异氰酸酯产品,它也能在一些受残留脱模剂污染的底材发挥同样功效. |

POLURENE LP

Prepolymers for Flexible Sealants - 弹性密封胶预聚物

POLURENE LPI

Industrial Adhesives - 工业胶粘剂



| product 产品 | % NV 固含 | % NCO max 游离NCO 最高含量 | Vx mPa*s @ 23°C 黏度 | max gardner color 最高色泽 | characteristics & main applications 特性及主要应用范围 |
|----------------------------|---------------|-------------------------------|-----------------------|---------------------------------|---|
| POLURENE LP 100 NPF | 100 | 0.2 | 15000 - 25000 | 3 | PU TDI based polymer containing blocked isocyanic groups. Excellent for improving the flexibility of epoxy systems. Excellent rheology. This product don't release Nonyl Phenol. 基于TDI的聚氨酯预聚物,含有封闭异氰酸基团,具优异的流变性而且无壬基酚的释放,极之适合作改善环氧体系的柔韧性。 |
| POLURENE LP 90 NPF | 90 | 0.2 | 6000 - 14000 | 3 | PU TDI based polymer in DOA containing blocked isocyanic groups. Excellent for improving the flexibility of epoxy systems. Excellent rheology. This product don't release Nonyl Phenol. 基于TDI溶解于DOA聚合物,含有封闭和可固化异氰酸基团,具优异的流变性而且无壬基酚的释放,极之适合作改善环氧体系的柔韧性。 |
| POLURENE LP 80 NPF | 80 | 0.2 | 3000 - 8000 | 3 | PU TDI based polymer in DOA containing blocked and curable isocyanic groups. Very low viscosity. Excellent for improving the flexibility of epoxy systems for adhesives, sealant and membrane. Excellent rheology. Easy to apply. 基于TDI溶解于DOA聚合物,含有封闭和可固化异氰酸基团,具优异的流变性而且容易使用,极之适合在胶粘剂,密封胶和薄膜制品上用作改善环氧体系的柔韧性。 |

| product 产品 | % NV 固含 | % NCO 含量 | Vx mPa*s @ 23°C 黏度 | max gardner color 最高色泽 | characteristics & main applications 特性及主要应用范围 |
|---------------------------|---------------|----------------|-----------------------|---------------------------------|--|
| POLURENE LPI 2572 | 100 | 12.5 - 14.5 | 3000 - 7000 | 18 | Solvent free MDI based 1K PU adhesive. It is recommended for sandwich panels for thermic and acoustic insulation. 基于MDI无溶剂1K聚氨酯胶粘剂,推荐用于有隔热或隔音要求的夹层板。 |
| POLURENE LPI 34 NT | 100 | 14.0 - 16.0 | 2000 - 4000 | 18 | 1K adhesive for wood D4 approved recommended for finger joint bonding of outdoor furnitures. Highly resistant to acid and alkaline hydrolysis. Short Pot life. Very crystalline adhesive resistant to heatshock. 1K木材胶粘剂,获D4认证,推荐用于户外家具指形接合位上的粘合,具高耐酸碱性,使用期短,对热变化具良好抗结晶性。 |
| POLURENE LPI 604 | 100 | 9.0 - 10.0 | 4000 - 8000 | 3 | MDI based 1K PU binder for moulded-on rubber grains, cork and agglomerates in general. Good mechanical and chemical resistance. Fast curing. 基于MDI的1K聚氨酯浆料,快速固化,具良好机械性和耐化学性,适用于一般橡胶粒,软木的压铸和凝聚。 |
| POLURENE LPI 3719 | 68 | 1.6 - 2.2 | 6000 - 10000 | 2 | MDI based 1K PU adhesive in ethyl acetate. Excellent initial bond, recommended for PVC, expanded PU and natural and synthetic fabrics. 溶解于乙酸乙酯,基于MDI的1K聚氨酯胶粘剂,具出色的初始粘接力,推荐用在PVC,PU发泡体和天然或合成布料。 |

Inks Modifiers - 油墨树脂

| product 产品 | % NV 固含 | solvent 溶剂 | Vx mPa*s @ 23°C 黏度 | characteristics & main applications 特性及主要应用范围 |
|------------------------|---------------|---------------|-----------------------|--|
| POLURENE 5870 K | 75 | EA | 1300 - 2300 | Soft polyurethane resin to be used in the formulation of flexo and gravure solvent based NC-PU inks. Characterized by excellent compatibility with pigments and NC resins, good solvent release and jaw properties, good adhesion on polyolefinic substrates and solubility in alcohols and ethyl acetate. 软性聚氨酯树脂用作配制柔印和凹印溶剂型硝化棉聚氨酯油墨,与颜料和硝化棉具有优异的兼容性,良好的溶剂释放性和揉搓性;还有在聚烯烃材料上良好的附着力和在醇及乙酯内良好的溶解性。 |
| POLURENE 5580 K | 75 | EA | 2200 - 3600 | Medium hard polyurethane resin to be used in the formulation of flexo and gravure solvent based NC-PU inks. Characterized by good thermal resistance, adhesion on polyolefinic substrates and solubility in alcohols and ethyl acetate. 中硬度聚氨酯树脂用作配制柔印和凹印溶剂型硝化棉聚氨酯油墨,具有良好耐热性,在聚烯烃材料上良好的附着力和在醇及乙酯内良好的溶解性。 |
| POLURENE 0466 K | 70 | EA | 1000 - 2000 | Polyurethane resin to be used in the formulation of solvent based NC-PU inks for gravure surface printing. Good blocking resistance, adhesion on clear and pearled BOPP, PE, CPP. It can be used also for flexo application. 聚氨酯树脂用作配制凹印溶剂型硝化棉聚氨酯油墨,有良好不回粘性,在透明及珠光 BOPP, PE, CPP 材料上有良好的附着力,也可在柔印上使用。 |
| POLURENE 0780 K | 55 | EA EtOH | 1000 - 2500 | Film-forming, aliphatic polyurethane resin to be used in the formulation of flexo and gravure NC-PU, PVB-PU and full-PU solvent based inks. Characterized by good printing quality even in high speed processes and higher adhesion compared to plasticizer PUs. 成膜、脂肪族聚氨酯树脂用于柔版印刷以及凹版印刷NC-PU, PVB-PU和纯PU的溶剂型油墨配方。其特点是即使在高速印刷过程中印刷质量也很好,与塑化剂PUs相比附着力更强。 |

Polyisocyanates - 聚异氰酸酯

| product 产品 | % NV 固含 | solvent 溶剂 | Vx mPa*s @ 23°C 黏度 | % NCO 含量 | characteristics & main applications 特性及主要应用范围 |
|-------------------------|---------------|---------------|-----------------------|----------------|---|
| POLURENE FP 75 K | 75 | EA | 1200 - 3000 | 13.0 | Aromatic polyisocyanate to be used in 2K inks as hardener or/and adhesion promoter. When used in 2K over print varnish, POLURENE FP 75 K is recommended to impart elastomeric properties. 芳香族聚异氰酸酯在配制某些油墨上作为固化剂或附着力促进剂。在配制双组分罩光油时,它也被推荐用来给与罩光油弹性的性能。 |
| POLURENE IR 51 K | 50 | EA | 100 - 400 | 8.0 | Aromatic polyisocyanate to be used in the formulation of fast curing 2K overprint varnish. POLURENE IR51 K is recommended to impart crystalline properties to the varnish. 芳香族聚异氰酸酯作为NCO功能团用作配制快干双组分罩光油,它也被推荐用来给与罩光油晶体性。 |
| POLURENE OK K | 60 | EA | 100 - 400 | 10.2 | Aliphatic-aromatic polyisocyanate to be used in the formulation of fast curing 2K overprint varnish. POLURENE OK K is recommended for high gloss system. 脂肪族和芳香族复配的聚异氰酸酯作为NCO功能团用作配制快干双组分罩光油,它也被推荐用来给与罩光油有限的耐黄变性。 |

Low Monomer Polyisocyanates - 低游离单体的聚异氰酸酯

| product 产品 | % NV 固含 | solvent 溶剂 | Vx mPa*s @ 23°C 黏度 | % NCO 含量 | characteristics & main applications 特性及主要应用范围 |
|------------------------------|---------------|---------------|-----------------------|----------------|--|
| POLURGREEN FP 75 01 K | 75 | EA | 1200 - 3000 | 13.0 | Low monomer version of POLURENE FP 75K. POLURENE FP 75K 的低游离单体版本。 |
| POLURGREEN IR 51 01 K | 50 | EA | 400 - 1000 | 7.4 | Low monomer version of POLURENE IR 51K. POLURENE IR 51K 的低游离单体版本。 |
| POLURGREEN OK K 01 | 60 | EA | 350 - 850 | 10.0 | Low monomer version of POLURENE OK K. POLURENE OK K 的低游离单体版本。 |

Polyester Resin for OPV - OPV用聚酯树脂

| product 产品 | % NV 固含 | solvent 溶剂 | Vx mPa*s @ 23°C 黏度 | N° OH 羟值 | characteristics & main applications 特性及主要应用范围 |
|---------------------|---------------|---------------|-----------------------|-------------|---|
| REXIN 6302 K | 70 | EA | 100 - 500 | 100 | Aromatic polyester to be used in the formulation of fast drying 2K matt/gloss overprint varnish in combination either with Polurene IR51 K or FP 75 K. 芳香族聚酯树脂,与Polurene IR51K或者FP75K搭配来配制快干双组分哑光/亮光罩光油。 |
| REXIN 6258 K | 60 | EA | 50 - 250 | 180 | Highly branched aliphatic polyester to be used in the formulation of fast drying 2K matt/gloss overprint varnish. It can be used in combination with Polurene IR51 K and FP75 K, or POLURENE OK K to improve UV resistance. 高支链化脂肪族聚酯用作配制快干双组分哑光/亮光罩光油,可与Polurene IR51K或者FP75K搭配;或者与Polurene OKK搭配来加强耐黄变性。 |
| REXIN 1939 K | 75 | EA | 3000 - 4000 | 165 | Saturated aromatic polyester to be used in the formulation of 2K overprint varnish in combination either with Polurene IR51 K or FP 75 K. High compatibility with other polymer resins (Vinyl copolymer, NC, polyesters). 芳香族饱和聚酯,与Polurene IR51K或者FP75K搭配来配制双组分罩光油,与其他树脂(氨基共聚物,硝化棉,聚酯)高度兼容。 |

| product 产品 | appearance 外观 | Vx mPa*s @ 23°C 黏度 | % NV 固含 | solvent 溶剂 | % NCO 含量 | max gardner color 最高色泽 | characteristics & main applications 特性及主要应用范围 |
|------------------------------|------------------|-----------------------|---------------|---------------|----------------|---------------------------------|--|
| UNI - DUR WB 7000 | clear | 2000 - 4000 | 100 | - | 16.0 - 18.0 | 2 | Hardener for high-quality water based polyurethane systems. It can improve the resistance of adhesive bonds towards moisture, heat and solvents. Thanks to its hydrophilic character it is easily dispersible by mechanical stirrer. 用于高品质水性聚氨酯体系的固化剂。它能提高胶黏剂的耐潮,耐热以及耐溶剂性。由于其亲水性,它很容易被机械搅拌分散。 |
| UNI - DUR E 2008 RC | clear | < 50 | 35 | EA | 5.7 - 6.3 | 1 | Crosslinker for the formulation of adhesives for natural or synthetic rubber, leather and shoes manufacturing. Good drying time and good pot-life; excellent balance between hardness and elasticity of the adhesive; excellent greentack; good yellowing resistance. 用于配制在制鞋,皮革,天然或合成橡胶胶黏剂上的交联剂,具有良好的干燥时间和使用期,优异的硬度与弹性的平衡及初始粘接力,耐黄变也佳。 |
| UNI - DUR E 1001 RN | clear | < 50 | 40 | EA | 7.0 - 7.6 | 1 | Recommended to improve the adhesion, cohesion and heat resistance of the final bond. It yields bonds that undergo to minimal colour modification. 推荐用于改善最终粘结的附着力,粘聚力和耐热性,只会产生极轻微的褪色。 |
| UNI - DUR E 2002 ARFE | clear | < 50 | 27 | EA | 7.2 - 8.2 | 18 | Recommended for crosslinking industrial polyurethane adhesives for natural or synthetic rubber. It improves significantly the adhesion, cohesion and mainly the heat resistance of the final bond. 推荐用于天然或合成橡胶的工业聚氨酯胶黏剂的交联。它显著提高了附着力、粘聚力,主要提高了最终胶黏剂的耐热性。 |
| UNI - DUR E 1001 | clear | < 50 | 43 | EA | 6.8 - 7.2 | 1 | Crosslinker for the formulation of adhesives for natural or synthetic rubber, leather and shoes manufacturing. Good drying time and good pot-life; excellent balance between hardness and elasticity of the adhesive; excellent greentack; good yellowing resistance. 推荐用于天然或合成橡胶,皮革和鞋用胶黏剂配方中的交联剂。具有快干,活化期长,优异的平衡硬度和弹性的胶黏剂。极好的粘聚力,耐黄变性。 |



Building & Constructions

楼宇和建筑



Wood

木



Self Leveling Industrial Flooring 自流平工业地坪漆

| | | Formulation | Comp A | Hardener |
|----------------|---------------|---|-----------------------------------|--------------------|
| PRIMER | Solvent based | 1K anti dust pigmented primer - 1K防尘实色底漆 1K solvent based primer - 1K溶剂型底漆 | Ucopol M601/M621 Ucopol M621 | |
| | Solvent free | 1K primer - 1K底漆 | Ucopol M601 | |
| SELF LEVELLING | Solvent free | 2K epoxy PU covered skirting - 2K环氧PU裙边 | Polurene LP 100 NPF | |
| | | 2K polyurethane - 2KPU | Rexin HSP05100 + HSP50 | Polurene MD1600 |
| | | 2K aliphatic self-levelling - 2KHDI自流平 | Rexin HSP05100 + HSP50 | Polurene MT 100 LV |
| | | 2K epoxy PU self-levelling flooring 2K环氧PU自流平地坪漆 | Epoxy Resin + Polurene LP 100 NPF | |
| TOP COAT | Solvent based | 1K clear topcoat non-yellowing - 1K耐黄清面漆 | Ucopol W 708 | |
| | | 2K clear and pigmented high gloss topcoat non-yellowing - 2K亮光耐黄清漆或色漆 | Rexin DP127 | Polurene M75 |
| | | 2K pigmented top coat matt non-yellowing 2K哑光耐黄实色面漆 | Rexin DP127 + HSP 412 | Polurene MT 100 LV |
| | Waterborne | 1K waterborne pigmented top coat matt 1K水性哑光实色面漆 | Bluepur 098 + 012 | |
| | | 2K waterborne clear top coat - 2K水性清面漆 | Bluepur 3037 | Hydorene AW4 |
| | | 2K waterborne pigmented top coat 2K水性实色面漆 | Bluepur 3037 + 2937 | Hydorene AW4 |

Anti Graphiti 抗石墨化

| | | Formulation | Comp A | |
|----------|------------|---|--------------|--------------|
| TOP COAT | Waterborne | 2K waterborne clear top coat - 2K 水性清面漆 | Bluecryl 242 | Hydorene AW4 |

Water Proofing Membrane Systems 防水膜

| | | Formulation | Comp A | |
|----------|---------------|---|----------------------|-----------------|
| TOP COAT | Waterborne | 1K waterborne waterproofing membrane 1K 水性防水膜 | Bluepur T 52 | |
| | | 1K PU waterproof membrane - 1K聚氨酯防水膜 | Ucopol M551 | |
| | Solvent Based | 2K solventbased waterproofing membrane 2K 溶剂型防水膜 | Ucopol M551 | Ethacure |
| | | 2K asphalt resin membrane - 2K沥青树脂膜 | Polybutadiene polyol | Polurene MD1600 |

Stone Carpet 小石地毯

| | | Formulation | Comp A |
|--------|---------------|-----------------------------------|------------------|
| BINDER | Solvent Free | 1K binder - 1K交联剂 | Polurene LPI 604 |
| | Solvent Based | 1K non-yellowing binder - 1K耐黄交联剂 | Ucopol W 708 |

Terrace Maintenance 阳台

| | | Formulation | Comp A |
|----------|---------------|---------------------------|--------------|
| TOP COAT | Solvent Based | 1K clear top coat - 1K清面漆 | Ucopol W 708 |

Rubber Crumb 橡胶地坪

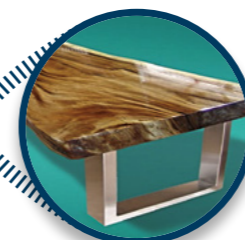
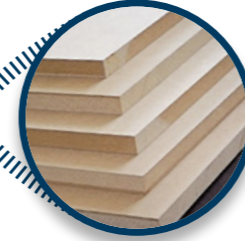
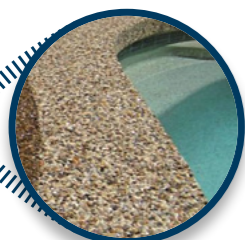
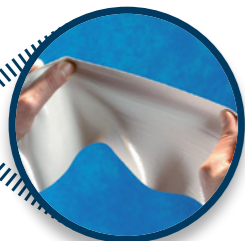
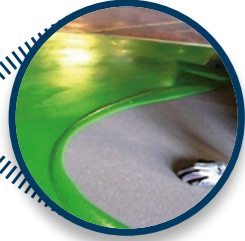
| | | Formulation | Comp A |
|--------|--------------|-------------------|------------------|
| BINDER | Solvent Free | 1K binder - 1K交联剂 | Polurene LPI 604 |

Solvent Based 溶剂型

| | Formulation | Comp A | Comp B |
|---------------|--|-------------------------------|------------------------------|
| BARRIER | 2K barrier coating for exotic wood - 2K特殊木材防护漆 | Polurene MD 50 EA | |
| | 2K barrier coating for exotic wood - 2K特殊木材防护漆 | Rexin DP 408 + HSP 411 | Polurene AD |
| SEALER | 2K clear sealer - 透明2K封闭底漆 | Rexin 129 + 1234 | Polurene AD - IR 51 BA |
| | 2K clear sealer for exotic wood 特殊木材2K透明封闭底漆 | Rexin 129 + 1234 | Polurene KC |
| | 2K clear sealer (applied by curtain coater) 2K透明封闭底漆 (适用于帘幕涂饰机) | Rexin 129 + 1234 | Polurene SB 50 BA + AD |
| | 2K pigmented sealer - 2K实色封闭底漆 | Rexin 160 | Polurene AD + IR 51 BA |
| | 2K high solid pigmented sealer - 2K高固实色封闭底漆 | Rexin HSP 05100 | Polurene IR 70 BA |
| TOP COAT | 2K black pigmented sealer - 2K黑色封闭底漆 | Rexin 160 | Polurene IR 51 BA + MD 60 BA |
| | 2K clear topcoat high gloss - 2K高光清面漆 | Rexin HG 70 | Polurene AD + 60T |
| | 2K clear topcoat high gloss - 2K高光清面漆 | Rexin DP 127 + 129 | Polurene AD + IR 51 BA |
| | 2K high solid clear topcoat mat - 2K高固哑光清面漆 | Rexin129 70 BA + DS 214 80 BA | Polurene OKDS |
| | 2K clear topcoat mat - 2K哑光清面漆 | Rexin 129 + AP 572 | Polurene AD + IR 51 BA |
| | 2K clear topcoat mat - 2K哑光清面漆 | Rexin 129 + 1234 | Polurene OKDS |
| | 2K clear topcoat ultra mat - 2K特哑清面漆 | Rexin 129 | Polurene OKDS |
| | 2K pigmented topcoat high gloss - 2K亮光实色面漆 | Rexin DP 127 | Polurene M75 |
| | 2K black high solid glossy topcoat 2K高固含黑色亮光面漆 | Rexin DP 315 | Polurene MT100 + IR 70 BA |
| | 2K pigmented matt topcoat - 2K哑光实色面漆 | Rexin DP 390 | Polurene OKDS |
| NITRO | 2K pigmented matt topcoat (satin) - 2K实色亚光面漆(缎面) | Rexin 129 | Polurene OKD |
| | Nitrocellulose sealer - 基于硝基封闭底漆 | Rexin 1561 | |
| | Nitrocellulose topcoat matt - 哑光硝基面漆 | Rexin 1561 | |
| | Nitrocellulose topcoat high gloss - 硝基高光面漆 | Rexin 1561 | |
| WOOD FLOORING | Pigmented nitrocellulose topcoat high gloss - 硝基高光实色面漆 | Rexin 1561 | |
| | 1K parquet topcoat matt - 1K哑光木地板面漆 | Ucopol M 4054 | |
| | 1K parquet topcoat high gloss - 1K亮光木地板面漆 | Ucopol M 4054 | |
| | 2K parquet topcoat high gloss - 2K亮光木地板面漆 | Rexin 1561 | |
| | 2K parquet semi-matt topcoat - 2K半光木地板面漆 | Rexin DP 127 + 160 | Polurene HT |
| | 2K parquet low yellowing glossy topcoat 2K低黄变木地板亮光面漆 | Rexin DP 408 + HSP 411 | Polurene MT 100 |
| | 2K parquet high solid glossy topcoat 2K高固含亮光木地板面漆 | Rexin HSP 05100 | Polurene MT 100 + IR 70 BA |
| | 2K parquet clear topcoat matt - 2K哑光木地板清面漆 | Rexin DP 127 + 160 | Polurene SB 50 BA |

Waterborne 水性

| | Formulation | Comp A | Comp B |
|---------------|--|-----------------------------|--------------|
| WOOD FLOORING | 1K parquet waterborne glossy topcoat 1K水性亮光木地板面漆 | Bluepur 2937 | |
| | 1K parquet waterborne top coat - 1K水性木地板面漆 | Bluecryl 012 + Bluepur 2937 | |
| | 1K waterborne pigmented topcoat matt 1K水性哑光实色面漆 | Bluecryl 098 + 012 | |
| | 2K waterborne pigmented topcoat high gloss 2K水性亮光实色面漆 | Bluepur 3037 | Hydorene AW5 |
| | 2K waterborne pigmented sealer - 2K水性实色封闭底漆 | Bluepur 2937 | Hydorene AW1 |
| | 2K waterborne pigmented sealer - 2K水性实色封闭底漆 | Bluepur 2937 | Hydorene AW1 |





SAPICI

Metal

金属



Solvent Based 溶剂型

| | Formulation | Comp A | Comp B |
|---------------------|--|------------------------|------------------|
| DTM | Zinc dust primer - 锌粉底漆 | Ucopol M 621 | |
| | 1K metal primer - 1K金属底漆 | Ucopol 601 + 621 | |
| | 1K primer - 1K底漆 | Ucopol M 551 + M 33 60 | |
| | 1K primer - 1K底漆 | Polurene LPI 604 | |
| | 2K dtm - 2K直涂金属漆 | Rexin DP 127 | Polurene M 75 |
| | 1K oxidatively drying topcoat 1K氧化干燥面漆 | Ucopol OL W 41 55 WD | |
| | 2K PU topcoat direct on aluminium 2KPU 直涂铝板面漆 | Rexin 2268 | Polurene MT 100 |
| TOP COAT INDUSTRIAL | 1K pigmented enamel for coil coating 1K实色氨基卷材涂料 | Rexin DP 500 | Polurene BK 1175 |
| | 2K pigmented top coat - 2K实色面漆 | Rexin 1523 | Polurene MT 90 |
| | 2K pigmented top coat high gloss 2K高光实色面漆 | Rexin 2268 | Polurene MT 90 |
| TOP COAT REFINISH | 2K pigmented top coat matt 2K实色哑光面漆 | Rexin DP 127 + HSP 412 | Polurene MT 90 |
| | 2K pigmented black top coat - 2K黑色面漆 | Rexin 2268 | Polurene OKHP |
| TOP COAT REFINISH | 2K clearcoat - 2K清漆 | Rexin 2268 | Polurene MT 100 |
| | 2K clearcoat for car refinsh 2K汽车修补清漆 | Rexin 2268 | Polurene MT 90 |

Waterborne 水性

| | Formulation | Comp A | Comp B |
|---------------------|---|--------------|--------------|
| DTM | 1K dtm waterborne pigmented enamel 1Kdtm水性色釉 | Bluepur 2937 | |
| | 1K anticorrosion primer - 1K抗腐蚀底漆 | Bluecryl 98 | |
| TOP COAT INDUSTRIAL | 2K pigmented topcoat - 2K实色面漆 | Bluepur 3037 | Hydorene AW5 |
| | 2K topcoat - 2K面漆 | Bluecryl 242 | Hydorene AW5 |
| TOP COAT REFINISH | 2K antigraffiti clearcoat - 2K防涂鸦清漆 | Bluecryl 242 | Hydorene AW4 |
| | 2K ace coating - 2K王牌漆 | Bluecryl 242 | Hydorene AW5 |
| | 2K topcoat - 2K面漆 | Bluecryl 242 | Hydorene AW4 |



SAPICI

Plastic

塑料

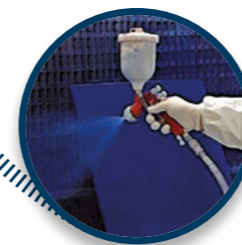
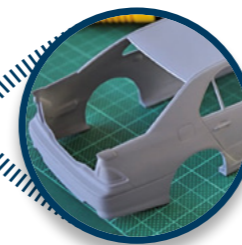
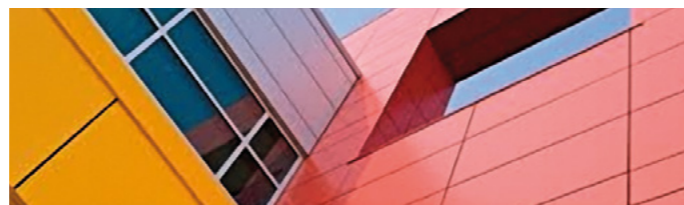


Solvent Based 溶剂型

| Formulation | Comp A | Comp B | ABS | PA | PC | PVC | PS |
|--|----------------|-------------------|-----|----|----|-----|----|
| 1K primer 1K底漆 | Ucoflex 630 IB | | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2K PU topcoat direct on plastic 直接涂在塑料上的2KPU面漆 | Rexin HSP 412 | Polurene M 75 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2K PU topcoat direct on plastic 直接涂在塑料上的2KPU面漆 | Rexin 2268 | Polurene MT 100 | ✓ | ✓ | ✓ | ✓ | ✓ |
| Soft touch 手感漆 | Rexin HSP 430 | Polurene MT 90 | ✓ | ✓ | ✓ | ✓ | ✓ |
| Pigmented PU 2K basecoat for PU rigid foam 基于高硬度PU的实色PU2K底漆 | Rexin 160 | Polurene SB 50 BA | | | | | ✓ |

Waterborne 水性

| Formulation | Comp A | Comp B | ABS | PA | PC | PVC | PS |
|---|--------------|--------------|-----|----|----|-----|----|
| 2K PUD clearcoat for plastic 2KPUD塑胶清漆 | Bluepur 3037 | Hydorene AW5 | ✓ | | ✓ | | ✓ |
| 2K PUD pigmented high gloss topcoat 2KPUD高光面漆 | Bluepur 3037 | Hydorene AW5 | ✓ | | ✓ | | ✓ |
| 1K PUD clearcoat 1KPUD清漆 | Bluepur 3037 | | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2K waterborne PVC tarpauling 2K水性PVC防水帆布 | Bluepur 3070 | Hydorene AW5 | | | | ✓ | |
| 2K waterborne pigmented top coat high gloss for PVC (windows frame and shutter) 以PVC为基材的2K水性高光实色面漆 (窗户框架或者百叶窗) | Bluecryl 233 | Hydorene AW4 | | | | ✓ | |
| 1K waterborne pigmented top coat high gloss for PVC (windows frame and shutter) 以PVC为基材的1K水性高光实色面漆 (窗户框架或者百叶窗) | Bluecryl 098 | | | | | ✓ | |





Adhesives, Sealants & Elastomers

胶粘剂, 密封胶和弹性体



POLURENE LPI 3719

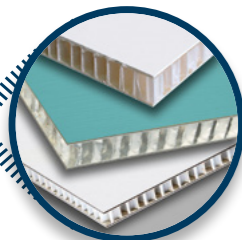
| | |
|------------------------------|------|
| %NV 固含(%) | 67 |
| %NCO NCO含量(%) | 1.9 |
| Vx mPa*s@23°C Vx黏度mPa.s@23°C | 8000 |
| Max Gardner Color 最高色泽 | 2 |

Application: Polyurethane Contact Adhesives for textiles, synthetic leather, plastic, metal, household goods, foam, abrasives and footwear. No PP and PE!
 聚氨酯接触胶用在纺织, 人造革, 塑胶, 金属, 家居用品, 发泡棉, 磨料和鞋类等, 不适用于PP和PE上。



| | |
|-----------------------------------|-----|
| Formulation for spray application | |
| Polurene LPI 3719 | 75 |
| Butyl acetate | 24 |
| Air release additive | 0.5 |
| Wetting additive | 0.5 |

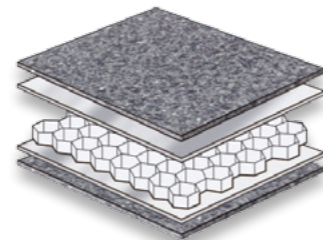
The nature and the % of the additives must be regulated according to the specific application.



POLURENE LPI 2572

| | |
|------------------------------|------|
| %NV 固含(%) | 100 |
| %NCO NCO含量(%) | 13.5 |
| Vx mPa*s@23°C Vx黏度mPa.s@23°C | 5000 |
| Max Gardner Color 最高色泽 | 18 |

Application: production of multilayer boards for automotive, camper, caravan etc.
 生产用于汽车, 露营车或大篷车的多层板。

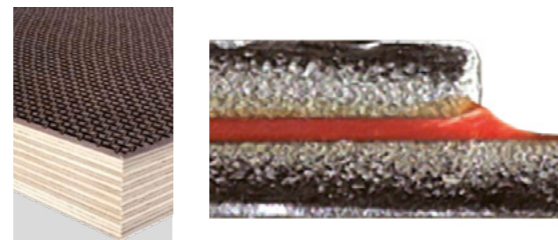


POLURENE LPI 34 NT

| | |
|------------------------------|------|
| %NV 固含(%) | 100 |
| %NCO NCO含量(%) | 15 |
| Vx mPa*s@23°C Vx黏度mPa.s@23°C | 2000 |
| Max Gardner Color 最高色泽 | 18 |

Application: production of multilayer boards for building purposes, widely used in Glulam (glue laminated timber) and to make joints.

生产在建筑用途上的多层板, 尤其广泛用于胶合层压木材和接合位的制造。



POLURENE LPI 604

| | |
|------------------------------|------|
| %NV 固含(%) | 100 |
| %NCO NCO含量(%) | 9.5 |
| Vx mPa*s@23°C Vx黏度mPa.s@23°C | 8000 |
| Max Gardner Color 最高色泽 | 3 |

Application: in general main use is binder for agglomerates; it can be used for the production of multilayers recycled rubber soundproofing panels for automotive market.

一般的主要用途作为团块的浆料; 它也可用于汽车市场上使用的回收橡胶隔音多层面板的生产。



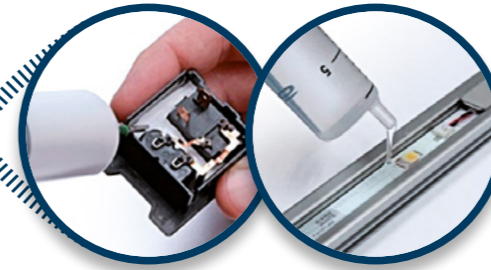
| | |
|------------------------------------|----|
| Formulation for direct application | |
| Polurene LPI 604 | 13 |
| Grinded rubber | 85 |
| Pigmented paste | 2 |

The addition of small % of water can reduce the curing time and help the application.



Special Solutions

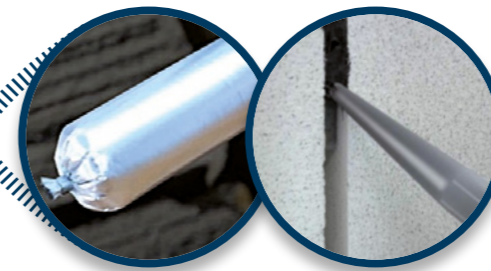
特定解决方案



POLURGREEN PRP 4041 01



POLURGREEN PRP 940 01



POLURGREEN PRP 5500 01



POLURGREEN PRP 6050 01



POLURGREEN PRP F 930 01

The proposed applications are just an example of the potential of these products

这些建议的应用只不过是这些产品在发展潜力上的其中一个例子



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