Technical data sheet

PROTECTION MADE EASY

Mixtane Spray Clear

Description and destination of the product

Mixtane Spray Clear is a two-pack acrylic polyurethane varnish with high quality properties. Although these products cure with the surrounding temperature, they surpass the quality of stoving enamels in several areas.
Some outstanding properties of **Mixtane Spray Clear** are:

- light stability
- gloss stability
- colour stability
- thermal stability
- chemical resistance
- hardness, elasticity and abrasion resistance
- corrosion resistance
- adherence
- fast air drying or accelerated drying
- easy to spray

Mixtane Spray Clear is therefore used as high quality finish coat for machines, cars, furniture and synthetic materials. Depending on the choice of the hardener, the paint has a high gloss or satin aspect. The properties don't change a lot when the satin hardener is used. The excellent outdoor resistance however is obtained by using the high gloss hardener.

Type of binder

Polyurethane polymer consisting of a hydroxy acrylic resin and a polyfunctional aliphatic polyisocyanate.

Type of pigment

Aromatic hydrocarbons, butyl acetate and glycol acetates.

Colour

Colourless.

Gloss

With BN 4 : high gloss

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with BNK4 : satin

Technical data

- **Density**: 1.03 (± 0.03) g/cm³
- **Solids content:** 51 (± 2) % in volume
  58 (± 2) % in weight
- **Mixing ratio:** a high gloss finish: 76 parts by weight of base
  24 parts by weight of hardener BN4

  Mixing ratio for a satin finish: 53 parts by weight of base
  47 parts by weight of hardener BNK4
  Mixing errors result in deviating properties and differences in gloss. Therefore we advise to mix the complete contents of base paint and hardener.
- **Potlife:** (20°C)
  non diluted paints: 6 hours
  on spray viscosity: 12 hours

  Remark:
  - depends on the temperature and the viscosity of the paint. The viscosity of the non diluted **Mixtane Spray Clear** is higher compared to **Mixtane Spray Clear**, which is diluted directly after mixing up to spray viscosity.
  - At higher temperatures, the potlife is shorter, at lower temperatures the potlife is longer.
- **Drying times:** (20°C – 40micron)
  dustdry : after 15 minutes
  tackfree : after 2 hours
  hard : after 24 hours
  maximum resistance : after 4 days
- **Accelerated drying:**
  30' – 80°C
  20' – 100°C
  15' – 120°C
  10' – 140°C
  6' – 160°C
- **Theoretical yield:** 14 m²/kg for 40 microns dry layer thickness
  The practical yield can largely be influenced by the roughness and porosity of the substrate, the applied layer thickness or the losses by airless application.

Surface preparation

For optimum protection or adherence on various substrates, the use of primers is recommended. As adherence and anticorrosion primer on steel, aluminium, galvanised and stainless steel, ***Cryltane AC Primer*** is recommended. On concrete and other mineral surfaces ***Cryltane CF Impregnation*** is most suitable. **Mixtane Spray Clear** can also be used as finishing coat in one- or two-pack polyurethane systems and as finishing coat in two-pack epoxy systems.
In order to avoid problems of interlayer adherence, it is advisable to apply the following coat within 3 days. If this isn't possible, the previous coat has to be roughened up and cleaned before being painted.

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Use

Mixtane Spray Clear is mixed with the hardener before application.
Mixing ratio for a high gloss finish: 76 parts by weight of base
24 parts by weight of hardener BN4
Mixing ratio for a satin finish: 53 parts by weight of base
47 parts by weight of hardener BNK4

Application conditions

Mixtane Spray Clear is applied by air spray.
Mix the base with the hardener and then dilute with 30% ***Thinner 1.***
Spray viscosity: ca 25" CF4 – 20°C
Clean the tools with ***Thinner 1*** or ***Solvatane***.

Storage stability

For the base paint : minimum 2 years in the original, unopened packing, stored in a dry environment at temperatures
between -10°C up to +40°C.
for the hardener : Minimum 18 months in the original, unopened packing, stored in a dry environment at temperatures
between -10°C up to +40°C.

Safety measure

For detailed information about safety measures, personal protection and transport data of this product, we refer to the safety data sheet.

The last update of our technical data sheets is always available at our website: ***www.libertpaints.be***

Disclaimer
The information given in this technical data sheet is only a general product description, based on our experiences and tests and therefore does not represent a specific practical case. Consequently Libert Paints doesn't guarantee the functionality or result and takes no responsibility in this respect.
We advise our clients to test the applicability of the product to the nature and the state of the surfaces and to carry out the necessary representative tests in case of doubt. Please contact our R&D department as the occasion arises.
Attention: our clients should verify whether the present technical data sheet hasn't been replaced by a more recent version.

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