



Technical data sheet

PROTECTION MADE EASY

Mixtane Roller Clear



Description and destination of the product

Mixtane Roller 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 Roller 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

Mixtane Roller 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.

Colour

Colourless.

Gloss

With BN 4 : high gloss > 95%
with BNK4 : satin (\pm 50%)

Technical data

- **Density:** 1.03 (\pm 0.03) g/cm³
- **Solids content:** 51 (\pm 2) % in volume
58 (\pm 2) % in weight
- **Potlife:** depends on the temperature and the viscosity of the paint. The viscosity of a non-diluted layer raises quicker than the viscosity of a layer which is applied directly after mixing up to spray viscosity. At 20°C the potlife is 6 hours. 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 3 hours
	dry	:	after 12 hours
	drythrough	:	after 7 days
- **VOC**

	High gloss < 430
	Satin < 415
- **Theoretical yield:** 13 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 DTS 20** is recommended. On mineral surfaces, after application of the PUR system, **Mixtane Roller Clear** can be used as finishing coat. **Mixtane Roller 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 24 hours. If this isn't possible, the previous coat has to be roughened up and cleaned before being painted.

Use

Mixtane Roller Clear is mixed with the hardener before application.
 Mixing ratio for a high gloss finish: 66 parts by weight of base
 34 parts by weight of hardener BN4
 Mixing ratio for a satin finish: 50 parts by weight of base
 50 parts by weight of hardener BNK4

Application conditions

Mixtane Roller Clear is applied by roller.
Mixtane Roller Clear is delivered ready for use.
 The relative humidity is maximum 85% while the temperature of the surface must be minimum 8°C during application and 3°C higher than dew point.
 Temperature and relative humidity must always be measured in the direct surroundings of the object

to be painted.

Storage stability

Minimum 2 years in the original, unopened packing, stored in a dry environment at temperatures between -20°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.com

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.