



# Technical data sheet

PROTECTION MADE EASY

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## Mixtane Spray



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### Description and destination of the product

**Mixtane Spray** is a two-pack sprayable and fast drying acrylic polyurethane lacquer with high-quality properties:

- good UV resistance
- gloss stability
- high thermal stability
- good chemical resistance
- elasticity and good abrasion resistance
- good corrosion resistance
- good adhesion on different surfaces when correct pre-treated
- fast drying

**Mixtane Spray** is used as a high quality finish coat for rolling stock (trains, buses, agricultural vehicles), machines, furniture, ...

**Mixtane Spray** has a good adherence on cleaned and fully cured powders coatings. Sand the surface thoroughly and etch with **Powdersoft** before spraying with **Mixtane Spray**.

**Mixtane Spray** can be applied directly on precoated gate panels after the following preparation:

- etching of the precoating with Scotch-Brite
- slightly etching with **Powdersoft**

Both preparations are necessary to ensure a good adhering of the applied **Mixtane Spray**.

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### Colour

All RAL-shades are standard available with the exception of luminescent and metal paints. Other colours can be obtained on request.

## Gloss

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			Mixing ratio Base/Hardener (in weight)
High gloss	(> 90 % (60° Gn))	80 parts by weight base in colour <b>20 parts by weight hardener BN4 or BN4 LV</b>	4/1
High satin	(85 ± 5 % (60° Gn))	70 parts by weight base in colour 10 parts by weight base colourless mat 22 <b>20 gewichtsdelen harder BN4 LV</b>	4/1
Satin	(70 ± 5 % (60° Gn))	60 parts by weight base in colour <b>40 gewichtsdelen harder BNK4</b>	3/2
Low satin	(50 ± 10 % (60° Gn))	50 parts by weight base in colour 10 parts by weight base colourless mat 22 <b>40 g gewichtsdelen harder BNK4</b>	3/2
Mat	(17 ± 7 % (60° Gn))	40 parts by weight base in colour 40 parts by weight base colourless mat 22 <b>20 gewichtsdelen harder BN4 LV</b>	4/1

Mixing errors result in gloss differences and deviating properties, therefore it is recommended to mix the entire content of base and hardener.

## Technical data

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- **Density:** 1.020-1.330 (depending on colour and hardener)
- **Solids content:** 40-48 % in volume (depending on colour and hardener)
- **Theoretical yield:** 6-8 m<sup>2</sup>/kg (50-60 µm dry layer thickness, depending on the colour)  
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.

<p><b>VOC:</b></p>	<p><b>Mixtane Spray</b> high gloss: 80/20 BN4</p> <p>80/20 BN4 LV</p> <p><b>Mixtane Spray</b> high satin: 80/20 BN4 LV</p> <p><b>Mixtane Spray</b> satin : 60/40 BNK4</p> <p><b>Mixtane Spray</b> low satin : 60/40 BNK4</p> <p><b>Mixtane Spray</b> mat : 80/20 BN4 LV</p>	<p>not diluted: &lt; 480 g/L dilute with <b>Solvatane</b> to viscosity 25 sec (DIN 4-20°C) : &lt; 530 g/L</p> <p>dilute with <b>Solvatane</b> to viscosity 25 sec (DIN 4-20°C): &lt; 500 g/L</p> <p>not diluted: &lt; 480 g/L dilute with <b>Solvatane</b> to viscosity 27 sec (DIN 4-20°C): &lt; 500 g/L</p> <p>not diluted: &lt; 435 g/L dilute with <b>Solvatane</b> to viscosity 27 sec (DIN 4-20°C): &lt; 500 g/L</p> <p>not diluted: &lt; 435 g/L dilute with <b>Solvatane</b> to viscosity 27 sec (DIN 4-20°C): &lt; 500 g/L</p> <p>not diluted: &lt; 490 g/L dilute with <b>Solvatane</b> to viscosity 28 sec (DIN 4-20°C): &lt; 500 g/L</p>
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## Drying circumstances

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The curing of **Mixtane Spray** can be accelerated by adding 3 % weight OP712N to A + B.  
Overview table drying times (20 ° C - 40 microns) and potlife **Mixtane Spray**

	Dustfree	Tackfree	Dry	Potlife
Mixtane Spray	20min	5h00	15h	8h00
Mixtane Spray + 3% OP712 N	20min	3h40	9h	6h00

**Mixtane Spray** may not be catalyzed with **OP 712 N** if the coating is oven-dried at high temperature after spraying.

In case of oven drying, a flash-off (evaporation time) of at least 20 minutes must always be provided before putting the pieces in the oven. Shorter waiting times can lead to solvent retention and/or differences in gloss.

In case of overdrying, tack free after:

- 30' – 80°C
- 20' – 100°C
- 15' – 120°C
- 10' – 140°C
- 6' – 160°C

## Surface preparation

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**Mixtane Spray** adheres directly to hard PVC (after etching with PVC-degreaser). For optimal protection or adherence on other surfaces, the use of primers is advised.

As adherence and anticorrosion primer on steel, aluminium, galvanised steel and stainless steel, **Cryltane DTS 20** or **Libert Adherence Promotor** is advised. On concrete and other mineral surfaces, **Cryltane CF Impregnation** is most suited. **Mixtane Spray** can also be used as finishing coat in one- or two-pack polyurethane systems and two-pack epoxy systems.

## Use

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**Mixtane Spray** is always applied by spraying.

Spraying viscosity:  $\pm 27$  CF 4 at 20°C.

Thinner: **Solvatane**

Clean the material with **Solvatane**.

## Application conditions

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The relative humidity should be no higher than 85 % while the temperature of the surface must be at least 8°C and 3°C higher than dew point.

## Storage stability

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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

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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](http://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.*