



Technical data sheet

PROTECTION MADE EASY

Cryltane Spray DTS 40

Description and destination of the product

Cryltane Spray DTS 40 is a two-pack acrylic polyurethane paint with an excellent adhesion on steel, aluminium, galvanized steel and stainless steel.

Cryltane Spray DTS 40 can be used as primer and topcoat.

As topcoat it is weather resistant with a good resistance to chemicals. The cured paint film also has a good scratch resistance combined with elasticity.

Colour

RAL colours (except for metallic and fluorescent colours), NCS, British Standard, ... starting from the bases A, B and C.

Colours starting from the base O, R and Y are on demand. These will be changed to base C if possible.

Gloss

40 (± 10) Gardner 60° (depending on layer thickness and surface)

Technical data

- **Density:** 1.31 (± 0,05) g/cm³
- **Solids content:** 50 (± 2) in volume
64 (± 2) in weight
- **Mixing ratio:** In volume : 4/1 Harder BN 450
In gewicht 85/15 Harder BN 450
Mixing errors result in deviating properties and differences in gloss.
Therefore we advise to mix the complete contents of base paint and hardener.
- **Potlife:** ± 6 hours at 20°C
- **Drying times:** Dustfree : 20 minutes
Tackfree : 3 hours
Dry : 12 hours
- **VOC:** Cat. A/j (norm <500 g/L)
< 450 g/L (not diluted)
< 500 g/L (max 8% diluted)

- **Theoretical yield:** $\pm 8 \text{ m}^2/\text{L}$ for 60 micron layer thickness
 $\pm 6 \text{ m}^2/\text{L}$ for 80 micron 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

The surface to be painted must be free of grease, oil, water, dust or other impurities that hamper a good adhesion. Surfaces that are polluted with grease or oil should be washed down with solvents, alkaline solution or emulsifier. In order to avoid problems of interlayer adherence, it is recommended to apply the following coat within 3 days. If this isn't possible, the previous coat should be roughened up and cleaned before painting.

For a new galvanization (shiny surface) it is recommended to etch with **Phos-Clean** and then clean with water. For old galvanization (outdoor exposition longer than 3 weeks) with presence of white salt, it is recommended to clean with a hard nylon brush and/or high pressure cleaning.

Use

With air, airmix or airless pistol

	% Dilution	Thinner	Pressure (bar)	Air pressure	Nozzle diameter
Pneumatic	5-9%	Solvatane	3 to 4	-	1.6 – 1.8
Airmix	0-5%	Solvatane	80 – 120	2 – 2.5 bar	411 or 413

Application conditions

The relative humidity must be maximum 85% while the surface temperature must be minimum 10°C and 3°C higher than dew point.

Storage stability

For the base: minimum 2 years in the original, closed packing, stored in a dry environment at temperatures between -10°C and +40°C.

For the hardener: minimum 18 months in the original, closed packing, stored in a dry environment at temperatures between -10°C and +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.