PRODUCT DATA SHEET
CRYLTANE DTS 40

DESCRIPTION AND DESTINATION OF THE PRODUCT

Cryltane DTS 40 is a two-pack low satin gloss acrylic polyurethane paint with an good adhesion on steel, aluminium, galvanised steel, stainless steel and plastics.

Cryltane DTS 40 can, thanks to the presence of zinc phosphate, be used as primer and finishing coat at the same time. As finishing coat, **Cryltane DTS 40** is outdoor and chemical resistant. The cured paint film is characterized by a good hardness combined with elasticity.

Cryltane DTS 40 can be sprayed as a structured lacquer.

TYPE OF BINDER

Hydroxy acrylic and aliphatic isocyanate, through which the product has a good outdoor resistance.

TYPE OF PIGMENT

Zinc phosphate, barium sulphate, magnesium silicate and outdoor resistant pigments (lead-free).

COLOUR

All RAL colours (except metallic and fluorescent colours), NCS, British Standard, colour cards TVT 600 and NOVA 720.

GLOSS

40 ± 10 (satin gloss) Gardner 60° (depending on the layer thickness and surface).

TECHNICAL DATA

Density	1.35 ± 0.05 g/cm³
Solids content	60 (± 2) % in volume 74 (± 2) % in weight
Drying times	Dustfree : 40 minutes Tackfree : 5 hours Dry : 14 hours
Mixing ratio	8/1 in volume 91.5/8.5 in weight 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
VOC	< 377 g/L (not diluted) < 500 g/L (25 % diluted)
Theoretical yield	± 10 m²/L at 60 micron ± 6 m²/L at 100 micron

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.

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SURFACE PREPARATION

An appropriate surface preparation is essential to obtain an optimal adhesion and good protection.

Each type of surface requires an appropriate preparation.

The surface must be free of all grease, oil, water, dust or other impurities that hamper a good adhesion.

Old epoxy or polyurethane surfaces must be roughened up with sandpaper or by light blast sweeping.

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 has to be roughened up and cleaned before being painted.

For a new galvanisation (shiny surface) it is recommended to etch with **Phos-Clean** and then clean with water.

For an old galvanisation (outdoor exposition longer than 3 weeks) it is recommended:

1. At presence of white salt: rinse with water, with high pressure or with a hard nylon brush
2. After drying, clean with **Phos-Clean** (see technical data sheet) and then with water.

USE

Mix base paint and hardener DTS 20/40.

Mixing ratio: 8/1 in volume and 91.5/8.5 in weight

Mixing errors result in deviating properties and differences in gloss. Therefore we advise to mix the complete contents of base paint and hardener.

Cryltane DTS 40 can be applied by brush, roller, pneumatic or airless pistol.

	% Dilution	*Thinner*	Pressure (bar)	Nozzle
Brush	0-5 %	*Thinner 1*	-	-
Roller	0-5 %	*Thinner 1*	-	-
Pneumatic gun	5-20 %	*Solvatane*	3-5 bar	1.2 - 1.5 mm
Airless gun	0-10 %	*Solvatane*	100-300 bar	0.017-0.024

At extreme temperatures, humidity circumstances or air stream, Thinner 1 is recommended for airless gun application.
It is always recommended to brush corners, sharp edges, bolts or nuts before applying a flat coat.

Indicative recoatable times (R.H. 75 %) for 60 microns dry layer thickness:

	Minimum	Maximum
10°C	1 hour	4 days
20°C	30 minutes	3 days
30°C	30 minutes	3 days

At longer painting intervals, a good cleaning and roughening up is necessary in order to avoid that interlayer contamination would hamper the adhesion of the next layer.

Clean the material with ***Solvatane***.

The maximum layer thickness in 1 layers is:

With brush: 80 micron

With airless sprayer: 120 micron

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For a textured coat:

First coat: dilute the paint with **Solvatane** up to ± 30" CF4 and apply a smooth coat (± 20-30 % dilution on the mixture) (see point 1).

Second coat: after a short drying time (10 to 15 minutes) apply the UNDILUTED paint as a textured coat. For the application of textured finishing coats, the use of a spraying gun with paint pressure pot, of which the pressure can be adjusted, is recommended.

The lower the spraying pressure at a constant pressure on the pot (between 2-3 atm), the coarser the structured effect. The distance of the pistol and the surface is 30 to 50 cm. When a structured coat is followed by a smooth coat, the effect will be matter and flatter.

The tools can be cleaned with ***Solvatane***.

APPLICATION CONDITIONS

The relative humidity should be no higher than 85 % while, during application, the temperature of the surface must be at least 8°C and 3°C higher than dew point. The relative humidity must always be measured in the direct proximity of the object to be painted. The temperature must be measured in the dierect proximity of the object but also on the object itself.

STORAGE STABILITY

Minimum 3 years in the original, closed packing, stored at temperatures between –20°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.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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