Technical data sheet

PROTECTION MADE EASY

Cryltane DTI 60

Description and destination of the product

Cryltane DTI 60 is a two pack high satin acrylic polyurethane paint of the “high solid” type. The dry paint film shows good hardness combined with elasticity.

Cryltane DTI 60 is used as a top coat in polyurethane or epoxy anticorrosion systems, it has a good resistance to chemicals, water and is outdoor resistant.

Cryltane DTI 60 can, thanks to the presence of zinc phosphate, be used as primer and finishing coat at the same time.

Colour

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

Gloss

High satin 65 (± 10) % Gardner 60°

Technical data

- **Density**: 1,43 (± 0,05) g/cm³
- **Solids content:** 68 (± 2)% by weight
  66 (± 2)% by volume
- **Mixing ratio:** 87.5/12.5 (in weight)
  5/1 (in volume)
  Mixing errors result in deviating properties and differences in gloss. Therefore we advise to mix the complete contents of base paint and hardener.
- **Potlife:** ± 5 hours at 20°C
- **VOC:** 308 g/l (not diluted)
  < 425 g/L (15 % diluted)

- **Indicative drying times** (R.H. 75%) for 60 micron layer thickness:

	Dus dry	Tackfree	Dry

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10°C	1 hour	8 hours	1 day
20°C	45 min.	5 hours	16 hours
30°C	30 min.	4 hours	12 hours

- **Theoretical yield:** ± 10,8 m²/L for 60 micron
  ± 6.5 m²/L for 100 µmicron

  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

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 aluminium surfaces: preparation by sanding with scotch brite.

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.

Application conditions

The relative humidity should be no higher than 85 %. During application, the temperature of the surface must be minimum 8°C and at least 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 direct proximity of the object but also on the object itself.

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.com***

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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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