

# TEKNODUR AQUA BASECOAT

## 3520

**PAINT TYPE**

TEKNODUR AQUA BASECOAT 3520 is a water-based, one-pack basecoat.

**USAGE**

The basecoat is used on a suitable primer in vehicle and transportation equipment painting.

The basecoat is also suitable to be applied on certain plastic types without a primer.

Water- or solvent-based polyurethane varnish can be used for top varnish.

**TECHNICAL DATA****Solids**

16 ±2% by volume

**Total mass of solids**

abt. 190 g/l

**Volatile organic compound (VOC)**

abt. 90 g/l

**Recommended film thickness and theoretical spreading rate**

Dry film (µm)

Wet film (µm)

Theoretical spreading rate (m²/l)

20

125

8,0

30

187

5,3

As many of the paint's properties will change if too thick coats are applied, it is not recommended that the product is applied to a film thickness that is more than double of the thickest recommended film.

**Practical spreading rate**

The values depend on the application technique, surface conditions, overspray, etc.

**Drying time at +23°C / 50% RH (dry film 20 µm)****- dust free (ISO 9117-3:2010)**

after 15 min

**- touch dry (DIN 53150:1995)**

after 30 min

**Overcoatable, 50% RH (dry film 20 µm)**

after 30 min

**Thinner**

Water

**Clean up**

Water, TEKNOCLEAN 6480 washing agent or TEKNOSOLV 1935.

**Colours**

By agreement.

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**DIRECTION FOR USE****Surface preparation**

Remove from the surfaces any contaminants that might be detrimental to surface preparation and painting. Remove also water-soluble salts by using appropriate methods.

**Application conditions and drying**

The surface to be painted must be dry. During the application and drying period the temperature of the ambient air, the surface and the paint shall be above +15°C and the relative air humidity below 70%. Additionally the temperature of the surface to be painted and the paint must be at least 3°C above the dew point of the ambient air.

Especially when applying with a spray the relative air humidity should be above 30% to avoid the onset of the drying process to be too fast.

Surface temperature, film thickness, drying temperature and ventilation affect the drying of the paint. The paint is dry when all water has evaporated from the paint film. It is essential that all painted surfaces have sufficient ventilation. If the painted surface will be exposed to weathering, moisture or low temperatures (below +10°C) thick paint films are to be avoided and the last coat must be allowed to dry for at least 24 hours (at +23°C) before exposure.

Low temperatures and insufficient ventilation slow down the drying process.

**Application**

Before use stir the paint thoroughly.

The paint is thinned by water into a spraying viscosity of 23 - 26 s, DIN -cup, 4 mm. The opaque wet film is sprayed first, thereafter for a short evaporation time (abt. 2 - 5 min.) a thin mist spray layer. The surface can be varnished when the surface is matt throughout. The varnishing is to be done on the same day.

**Cleaning of the equipment**

When painting equipment used for application of solvent-borne paints is used for water-borne paints the equipment must be cleaned carefully:

1. Wash with solvent.
2. Wash with washing solvent for water-borne paints, e.g. TEKNOSOLV 6060.
3. Rinse with water.

When shifting from water-borne to solvent-borne paints act in reverse order.

When changing colours in painting lines the cleaning can be done with TEKNOCLEAN 6480 washing agent.

**ADDITIONAL INFORMATION**

The storage stability is shown on the label. Store in a cool place and in tightly closed containers. Do not transport or store the paint in temperatures below 0°C.

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The information of this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest versions of Teknos data sheets, material safety data sheets and system sheets are on our home pages [www.teknos.com](http://www.teknos.com).

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