

NORMATOP CLEAR

TECHNICAL DATA SHEET 12/20

PROPERTIES AND RECOMMENDED USAGE

Paint type

High-gloss, transparent, two-component, polyurethane varnish with an aliphatic isocyanate curing agent. Provides high class weather resistant top coat with good film hardness characteristics. Product has also anti-graffiti properties.

Typical and recommended uses

Used in polyurethane paint systems to improve gloss and to provide easy to clean surface.

Special features

Lacquer provides hard and easy to clean surface. The graffiti can be removed by rubbing gently with the rag dipped in xylene. Graffiti is removable for one month after their application.

Weather resistance

Withstands sunlight and UV radiation.

TECHNICAL DATA

Volume solids*	45 ± 2 %
Total mass of solids*	517 g/l
VOC value*	492 g/l

* Values are calculated

Mixing ratio

Resin	2 parts by volume
Cure	1 part by volume

Pot life (+23 °C)

approx. 45 min after mixing

Packaging

	Volume (l)	Size of container (l)
Comp A	6	10
Comp B	3	3

Drying time 50 µm

	+23 °C
Surface dry	45 min
To touch	1½ h
Fully cured	5 h

Drying times are typical on recommended film thicknesses at given temperatures.

Calculated theoretical coverage and recommended film thickness

Dry	Wet	Coverage
20 µm	45 µm	22.0 m ² /l
40 µm	90 µm	11.0 m ² /l

Practical coverage

Depends on wind conditions, the structure to be painted, the roughness of the surface and the application method.

Colour

Transparent

Thinner

Normatop thinner, OH 10, OH 66 (slow)

Cleaner

OH 17

Finish

Full gloss

APPLICATION INSTRUCTIONS

Surface preparations

Dust, oils, grease and other foreign matter that could prevent adhesion should be removed using a suitable method (SFS-EN ISO 8504-3, SFS EN-ISO 12944-4).

Primer

NORMADUR 65 HS, NORMADUR 90 HS, NORMAFINE HS, HARDTOP XP

Top coat

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Environmental conditions during application

The surface should be dry and clean. During application and drying time the temperature of the paint, air, and surface should be above +5 °C and the relative humidity below 80 %. The surface temperature should be min 3 °C above the dew point of the air.

Method of application

Use an airless or conventional spray. Stir the resin and cure separately and then mix both thoroughly. The mixing ratio is 2 : 1 (resin : cure) by volume. If needed, thin 0 - 15 % with thinners recommended. Use a high pressure airless spray with a nozzle tip of 0,008" - 0,009" orifice. The spray angle depends on the structure to be painted. Conventional spray nozzle tip 1.0 - 1.8 mm with 2.5 - 4 bar pressure.

Disclaimer

The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, as the paint is often used under conditions beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without notice. Please contact our office for more specific information. The product is intended for professional use only. If there are deviations in the different language versions of the technical data sheets, the English version applies.

Recommended DinCup 4 viscosity is 15 - 19 seconds for conventional spray application.

To avoid haziness in the lacquer surface, several thin layers are recommended instead of few thick ones.

In order to ensure the best possible performance of the product, it is recommended that the paint is at room temperature before the application.

Storage and shelf life

The product must be stored in original sealed containers at temperatures from 5 °C to 30 °C. The storage conditions are to keep the containers in a dry, well ventilated space away from source of heat and ignition. When stored as described above, the unopened component A will keep up to 2 years and unopened component B to 1 year from the date of manufacture. The manufacturing date found in the label is also the batch number of the paint.

Safety

Please follow the environmental and safety instructions displayed on the container and Safety Data Sheet. Use under well ventilated conditions. Do not breathe or inhale mist, use respirator mask. Avoid skin contact. Spillage on the skin should immediately removed with suitable cleanser, soap or water. In case of contact with eyes, rinse immediately with plenty of clean water and if necessary seek medical advice.