

Ultracur3D®

UV Adhesion Promoter

**Key Features:**

- Improves adhesion of the final topcoat
- Good filling of pores, pinholes and surface leveling
- Improves the gloss in the final topcoat layer
- Excellent recoatability of 2 component fillers, primers, topcoats and clearcoats

Handling:

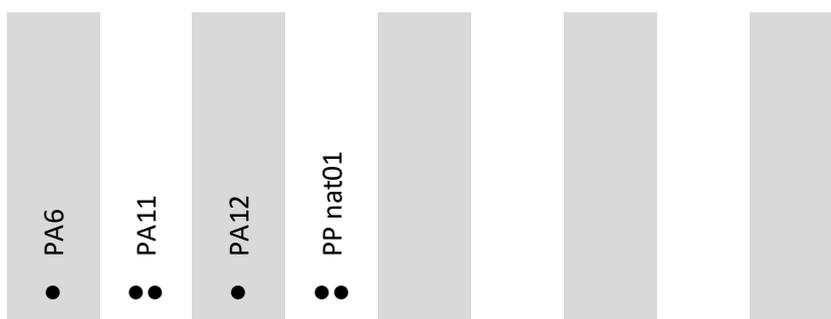
Do not apply in direct sunlight.
Do not expose to sunlight in storage.

Remarks:

The substrate should be clean, free of dust, rust, oil and grease.
Clean and flush out spray gun with Isopropanol or an applicable cleaning agent for solvent-based systems.

Substrates:

- = Very well suited
- = well suited
- = suited in some cases

**Solid content**

~74 %

Safety advice:

The product is suitable for professional use only.

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. The safety data given in this publication is for information purposes only and does not constitute a legally binding MSDS. The relevant MSDS can be obtained upon request from your supplier or you may contact BASF 3D Printing Solutions GmbH directly at sales@basf-3dps.com.

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Reducer: Glasurit 352-50



Application viscosity at 20°C:	<u>Reducer</u>	<u>Viscosity (DIN 4)</u>
	0 %	38 s
	5 %	26 s
	10 %	21 s
	15 %	18 s

Application:



HVLP spray gun



Dipping

Application pressure:

0.8 – 1.5 bar

-

Nozzle size:

0.8 – 1.3 mm

-

Number of coats:

1 – 4

spray/s to equalize the structure of the surface

Flash off at 20°C:

-

Film thickness:

Max. 70 µm

Application remark:

Optimum application viscosity with 2-3 % reducer.
Above 5 % reducer, the UV adhesion promoter must be dried in an oven at 40-60°C for 3 minutes before UV drying.



UV Curing

Intermediate drying: UV-A 190 J/cm²

Final drying: UV-A 790 J/cm²

Energy input measured with UV radiometer IL390



Sanding

P400 and P600

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**Shelf life**

12 months

Application procedure:

Pretreatment:

1. Clean substrate with isopropanol.
2. Drying in air circulated oven for 10 minutes at 80°C.
3. Cool down substrate to room temperature (23°C).

Application:

1. Clean substrate surface with compressed air shortly before coating.
2. Apply first layer in one cross-coat or dip process.
3. Intermediate drying with a UV curing lamp (190 J/cm²).
4. Depending on the surface smoothness after the first layer, substrate can be coated with further layers following the same procedure.
5. Final drying with UV curing lamp (790 J/cm²).

Final note

The UV Adhesion Promoter should be dried to such an extent that the surface is not sticky anymore.

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