



DELTA Prime 2K SF (Solvent Free)

TWO COMPONENT EPOXY BASED SOLVENT FREE PRIMER

DESCRIPTION

DELTA Prime 2K SF Primer is a two component, solvent-free, medium viscosity epoxy primer specifically designed for sealing and priming concrete substrates.

DELTA Prime 2K SF is ideal for solidifying porous and weak concrete substrates and can be combined with quartz sand to make a fast curing hard patch repair material.

FEATURES

- ✓ Formulated at 1:1 ratio by volume for easy application with brush, spray or roller.
- ✓ Penetrates deeply into concrete surface
- ✓ Solvent-free. Non-hazardous.
- ✓ Exceptional adhesion to correctly prepared concrete, steel and most common construction substrates.

TYPICAL USES

- ✓ As a penetrating concrete densifier and primer prior to the application of DELTA protective linings.
- ✓ As a patch repair material when combined with either quartz sand or **DELTA Prime Filler**.
- ✓ As a base coat for DELTA floor coatings.

PRODUCT INFORMATION

PHYSICAL PROPERTIES	DATA	
Mixing Ratio		1:1
Tack free time		@ 30°C approximately 1 - 2 hours
Coverage on Concrete (*)		1 st coat approximately 250 grams / m ² 2 nd coat approximately 150 – 175 grams / m ²
Overcoat Window		Up to 20°C maximum 72 hours Up to 21-35°C maximum 60 hours @ 35°C plus maximum 48 hours
Hardness (Shore D)		70 - 80
Temperature range for application		+5 to +50°C
VOC Content	ASTM D-1259	Zero
Solids content - %	ASTM D-2697	100 %



PHYSICAL PROPERTIES	DATA	
Pull off strength – mPa	ASTM D-4541	Steel: ≥ 6 Concrete: ≥ 1.5
Impact Resistance [J/mm]	DIN EN 10290-2004 Class: A	23° C: 9,0 -5° C: 7,0
Surface resistance [Ohm]	DIN IEC 60167	$\geq 1,0 \cdot 10^{11}$
Volume resistance [Ohm]	DIN IEC 60093	$\geq 1,0 \cdot 10^{11}$

(*) Second coat is optional depending on the porosity of the substrate

SURFACE PREPARATION

The substrate should be prepared according to the final coating manufacturer's instructions specific for the final coating product. However, as a general guide; concrete substrate should be free from all contaminants, loose or flaky material and should be in a sound condition. Steel substrates should generally be grit blasted to a class 2 ½ blast with a surface profile of between 50 – 100 microns. For other substrate types refer to coating manufacturer's guidelines.

MIXING & APPLICATION

DELTA Prime 2K SF is supplied in a pre-weighed 2 component pack consisting of a Base component and a Hardener component. The contents of the hardener pack should be emptied into the base pack completely, and mixed with slow speed light duty mixing drill and paddle. The mixed product can then be applied on the prepared substrate using a brush or roller.

EQUIPMENT CLEANING

Equipment can be cleaned with paint thinner and common solvents immediately after use. Note that hardened material can only be removed mechanically





PACKAGING

DELTA Prime 2K SF is supplied in 10 kg packaging for each component.

STORAGE

Approximately 12 months from the date of manufacture, when kept in original containers under standard storage conditions.

APPLICATION NOTES

Before using, both components should be individually stirred and then component B has to be filled into component A completely and mixed carefully with a power drill attached to a stirring paddle.

The primer should be applied preferably by roller or alternatively by spraying in a conventional way with an airless sprayer.

IMPORTANT: DELTA Prime 2K SF should be completely dry before over coating.

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Valid is only the actual version of this technical data sheet in each case.

*DELTA recommends that in all applications involving chemicals a pre-test of the lining's suitability in the customer's application is conducted. Consult with DELTA Technical Team.

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Version 190625