

## TECHNICAL BULLETIN

### Vinyl Ester Primer for Concrete

### COROFLAKE® N/AS Primer

<b><u>Product Description:</u></b>	COROFLAKE® N/AS Primer is a specially formulated catalysed bisphenol A vinyl ester resin, containing conductive fillers for use on concrete surfaces. It has the ability when applied to concrete, the surface is upgraded to give high adhesion strength to the system being used.		
<b><u>Recommended Uses:</u></b>	COROFLAKE® N/AS Primer can be used on concrete where anti-static properties are required. When used, it overcomes the variable electrical resistance of the concrete substrate and provides a conductive film under TIP TOP linings and coatings so that the vinyl ester systems can be tested for pinholes with a high voltage detector.		
<b><u>Temperature Resistance:</u></b>	+90 °C wet		+120°C dry
<b><u>Generic Type:</u></b>	Bisphenol - A - Vinyl Ester		
<b><u>Filler:</u></b>	Non		
<b><u>Solvent:</u></b>	Styrene (reactive)		
<b><u>Design:</u></b>	DIN EN 14879-1 or TIP TOP Concrete Preparation		
<b><u>Preparation:</u></b>	Contaminants such as oil or grease must be removed prior to the application. The best preparation is abrasive blast to open holes coat with cement and to roughen the surface. The resulting surface should be at least as rough as 40 grit sand paper. Concrete should be thoroughly cured for at least 28 days. Use plastic sheet method (ASTM 4263) to ensure the moisture content is less as 4%. The cured concrete should have a minimum compressive strength of 25 N/mm <sup>2</sup> and a minimum surface strength of 1.5 N/mm <sup>2</sup> .		
<b><u>Coverage:</u></b>	COROFLAKE® N AS Primer for concrete		300 g/m <sup>2</sup>
<b><u>Mixing:</u></b>	COROFLAKE® N/AS Primer has a tendency to settle during storage and must be thoroughly mixed prior to adding the Hardener.No.1 After mixing, add 2% by weight of Hardener No.1 Stir hardener into the primer, using a low speed mechanical agitator. Catalyse no more material than can be applied within the pot life period. Available working time, temperature and complexity of the area to be primed will determine how much material should be catalysed at one time.		
<b><u>Pot Life:</u></b>	1hr. (+10°C)	40 min. (+20°C)	20 min. (+30°C)
<b><u>Application Equipment:</u></b>	Roller		



<b><u>Application:</u></b>	<i>Note:</i> During application the primed surface must be shaded from direct or indirect sunlight. . COROFLAKE® N/AS Primer is normally applied by roller using a short nap mohair roller. A suitable brush may also used, but not recommended. Primer may be top coated after initial curing, which will occur normally after 10 hours depend on temperature. The primed surfaces must be top coated within 14 days to assure proper adhesion of topcoat to primer. Confirm recoat ability by wiping primer with smoothing liquid F-12. If surface becomes tacky, adhesion is acceptable. If not softened by F-12, surface must be sandblasted or mechanical abraded to provide a non-glossy, rough texture surface.		
<b><u>Drying and Curing:</u></b>	16 hrs. (+10°C)	10 hrs. (+20°C)	6 hrs. (+30°C)
<b><u>Cleaning:</u></b>	Solvent T/100		
<b><u>Shelf Life:</u></b>	The shelf life is 6 months when stored @ + 20°C. COROFLAKE® N/AS Primer and Hardener No.1 should be stored at a cool and dry place.		
<b><u>Density:</u></b>	0.98 kg/l (mixed)		
<b><u>Viscosity:</u></b>	1200 - 1800 mPas		
<b><u>Solid Content:</u></b>	55± 2.5 % (mixed)		
<b><u>Flash Point:</u></b>	COROFLAKE® N/AS Primer +32°C	Hardener Nr.1 +70°C	
<b><u>Adhesion:</u></b>	1.5 MPa (EN ISO 4624) to concrete		

This Technical Bulletin is for informational purposes only. All data provided herein is based on in-depth research and testing, however no liability whatsoever can be assumed. Since we are constantly endeavouring to up-date and improve our products, we recommend noting the index and issue date indicated on this data sheet and to inquire as to whether any properties have changed in the interim. This Product Information Sheet replaces all prior issues. Please contact our Technical Consultant for detailed information in case of ambiguities.

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