

TECHNICAL BULLETIN

COROFLOOR 682

Product Description:	COROFLOOR 682 based on a specialized epoxy formulation use of critical process areas where chemical resistance, t resistance, sanitation, and aesthetic appearance are required a penetrating primer, a flexible fibreglass reinforcement, a sem body coat, and as an option a final slip resistant topcoat. Total nominal 3.0 mm.	hermal shock It consists of is self-levelling
Recommended Uses:	COROFLOOR 682 is used in high humidity areas in the ph food and beverage industries, but due to the unique prop system, there are many applications in the chemical proc COROFLOOR 682 is particularly suited for non-basement flow where a moist substrate is combined with low temperature.	perties of the cess industry.
Temperature Resistance:	+75°C Continuous Service +100°C Intermittent Service	
Generic Type:	Epoxy Resin	
Design:	Attention should be given to the influence of temperature and load in order to minimise the tension- and bending stresses in the concrete. This is important to reduce the risk of cracks in the concrete and <i>COROFLOOR</i> 682 . Minimum tensile strength should be 1.5 Map when tested according to DIN ISO 24 624.	
Preparation:	Contaminants such as oil or grease must be removed prior to the application. The best preparation is abrasive blast to open holes covert with cement and to roughen the surface. The resulting surface should be at least as rough as 40 grit sandpaper. Concrete should be thoroughly cured for 28 days.	
Build-up of the system:		Coverage
	COROFLAKE 68 Primer	300 g/m²
	COROFLAKE 68 as Saturant	500 g/m²
	Fibreglass reinforcement	250 g/m²
	COROFLOOR 682 Body Coat	2,500g/m²
	COROFLOOR 682 Topcoat	250g/m²
Mixing Ratio:	For all mixing activities use a low speed (200 to 300 rpa) mechanical agitator. For Primer and Saturant: Mix COROFLAKE® 68 Primer to Hardener No.4 in a ratio 3.3 to 1 (weight). Stir thoroughly for two minutes. For Body Coat: Mix the A- and B-components of Body Coat in a ratio 6.6 A to 1 B (weight). Stir thoroughly for three minutes till a homogeneous liquid is	

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liquid is obtained.

obtained. For Topcoat: Mix the A- and B-components of Topcoat in a ratio 2.7 A to 1 B (weight). Stir thoroughly for three minutes till a homogeneous



Pot Life:	Primer: 120	0 min. (+10° [°] C)	60 min. (+20°C)	30 min. (+30°C)
	Body Coat: 90	min. (+10° [°] C)	45 min. (+20°C)	30 min. (+30°C)
	Topcoat: 75	min. (+10° [°] C)	40 min. (+20°C)	20 min. (+30°C)
Application Equipment:	Brush, Spiked Roller, Ribbed Roller, Squeegee and Notched Trowel			
Application:	It is recommended that the Primer be applied by brush or mohair roller. Let primer cure. Be certain the cured primer is clean. Use a squeegee or roll out approximately 1.0 mm of Saturant and press glass mat into Saturant. Wet out mat with additional Saturant until mat is translucent. Use a ribbed roller to remove air from the mat. Let reinforcement cure. Apply 0.8 to 1.2 mm Body Coat using a notched trowel. A spiked roller should be used on the surface, to remove any trapped air. Allow to cure. Roller apply Topcoat.			
Cleaning:	T-100			
Shelf Life:	The shelf life is 24 months when stored @ + 20°C.All COROFLOOR components should be stored at a cool and dry place.			
Solid Content:	100%			
Flash Point:	Hardener No.4 -	+109°C 682 Body Coat (SATURANT +95°C; Comp. A + 51°C Co mp. A -1°C Comp.	omp. B +106°C
Compressive Strength:	40 MPa (DIN El	N ISO 604)		
Tensile Strength:	33 MPa (DIN El	N ISO 527)		
Crack Bridging:	0 to 0.6 mm (Df	BT Test)		
Adhesion:	1.5 N/mm² (EN	ISO 4624) conc	rete failure	
Hardness:	73 Shore D (DI	N 53 505)		
Abrasion:	37 mg (ASTM – D 4060)			

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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