

TECHNICAL BULLETIN

COROFLAKE S PRIMER

Product Description:	<i>COROFLAKE S PRIMER</i> is a low viscosity, catalysed Novolac vinyl resin which provides exceptional resistance to rust and undercutting. It is not designed for long term corrosion protection, but will hold grit blasted surfaces to prevent rusting for one week until protective materials are applied.		
Recommended Uses:	<i>COROFLAKE S PRIMER</i> was developed specifically for high temperature resistance and should be used on steel surfaces where elevated temperatures occur. When applied to properly prepared steel surfaces, <i>COROFLAKE S PRIMER</i> forms an excellent bond and inhibits corrosion.		
Temperature Resistance:	depending on the lining system applied on top		
Generic Type:	Novolac Vinyl Ester		
Filler:	Colour Pigments		
Solvent:	Styrene (reactive)		
Design:	The steel construction to be coated must be fabricated according to the DIN EN 14879-1:2005. Further information can be taken from our steel specification documents		
Preparation:	Steel substrates, which were under service conditions already, require a chemical check for the presence of invisible traces of iron sulphate and or iron chloride. If the check is positive, the total surface area needs to be washed down thoroughly with de-ionised water. In each case, steel substrate shall be prepared by abrasive blasting to obtain a Sa 2½ surface, as defined in DIN EN ISO 12 944 Part 4 and a minimum surface profile @ 60 µm "Medium (G)" as defined in DIN EN ISO 8503-2.		
Coverage:	<i>COROFLAKE S PRIMER</i>	Liquid and HARDENER No. 1	150 g/m²
Mixing Ratio:	100:2 <i>COROFLAKE S PRIMER</i> to HARDENER No.1 by weight. 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.		
Pot Life:	90 min. (+ 10 °C)	40 min. (+ 20 °C)	20 min. (+ 30 °C)
Application Equipment:	Conventional Air or Airless Spray, Brush and Roller.		

Application:	COROLAKE S PRIMER is normally applied by brush or roller. Spray application can be used, but requires extra clean surface. Primer may be relined after initial curing, which will occur normally after 8 hours depend on temperature. The primed surfaces must be topcoated within 7 days. <i>Note:</i> During application the primed surface must be shaded from direct or indirect sunlight.		
Cleaning:	Solvent T-100		
Shelf Life:	The shelf life is 6 months when stored below + 20 °C. COROFLAKE S PRIMER and HARDENER No. 1 should be stored at a cool and dry place.		
Drying and Curing:	8 hrs. (+ 10 °C)	6 hrs. (+ 20 °C)	2 hrs. (+ 30 °C)
Density:	1.08 kg/l (mixed) DIN 53 219		
Viscosity:	225 mPas ± 25		
Flash Point:	COROFLAKE S PRIMER	+ 32 °C	
	HARDENER No. 1	+ 70 °C	
Adhesion:	7.0 N/mm ² (EN ISO 4624) to grit blasted C-Steel		
Hardness:	35 Barcol (DIN EN 59)		

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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