

ARMOURGUARD BP

QUICK DRY BLAST PRIMER FOR SHOT-BLASTED STEEL

ARMOURGUARD BP is a quick drying two part epoxy-ceramic holding primer intended for application in thin coats to freshly shot blasted steel. It has exceptional adhesion to steel and its rapid drying allows blasting to quickly recommence without contaminating primed areas.

- **Very short dust free time**
- **Tremendous adhesion to the substrate**
- **Surface tolerant & can be applied to damp substrates**
- **Low fume weld through**

ARMOURGUARD BP contains the same spherical ceramic particles as the other grades of Armourguard and produces a similar composite coating with exceptional abrasion resistance and adhesion properties. Additional benefits are very rapid dry with long pot life and improved corrosion resistance as compared to standard epoxy blast primers.

ARMOURGUARD BP is a two-part, medium solvent epoxy coating containing 58% of ceramic micro-spheres. The cured coating contains the maximum possible amount of ceramic, which forms a flexible composite coating with far superior adhesion, abrasion and corrosion resistance properties than normal epoxy coatings. It is virtually impervious to water, water vapour and oxygen. It also contains a carefully selected blend of additives to enhance adhesion to steel and other metals.

ARMOURGUARD BP must be applied to shot or hydro-blasted steel that is free from traces of soluble salts. It can be applied to damp substrates without detriment to the durability of the coating. Puddles and large drops of water should be blown away with dry compressed air before application of the coating.

ARMOURGUARD BP can be applied in temperatures between 5°C and 50°C. It is cured with SYNAMIN hardeners which are available in three reactivities to suit the ambient temperature. The most suitable hardener for the application conditions will be supplied to give a pot life is 6 to 8 hours at the temperatures shown in the table below.

ARMOURGUARD BP can be applied with high pressure airless, conventional spray equipment supplied with material from a pressure pot. It is difficult to apply by brush or roller in hot conditions due to its rapid drying. A dry film thickness of 30 micron will allow a theoretical coverage of 30m² per litre

ARMOURGUARD BP is available in light and mid grey. Other colours are available to order

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SPECIFICATION	
Solids content	82%
Ceramic content in dry film	70%
Weight	1.55kg/litre
Adhesion ASTM D4541-95	18.9 N.mm²
Abrasion resistance ASTM D4060-95	54 mg/1000 cycles. CS10 wheel with 1kg load
Solvent	SYNSOL 300 fast spray solvent

OVER-COATING TIMES						
TEMPERATURE °C	5 TO 15		15 to 25		25 +	
HARDENER	SYNTAC 1045		SYNTAC 1043		SYNTAC 1040	
	Min	Max	Min	Max	Min	Max
ARMOURGUARD BP	10 hours	Unlimited	6 hours	Unlimited	3 hours	Unlimited