

ARMOURGUARD QD

QUICK DRYING EPOXY-CERAMIC COATING SYSTEM

ARMOURGUARD QD is a **quick dry epoxy-ceramic coating** that contains the same spherical ceramic particles as the other grades of ARMOURGUARD and produces a similar composite coating with exceptional adhesion and abrasion properties. Additional benefits are long pot life and the ability to be immersed soon after application. Its unique formulation eliminates the requirement for separate primers and undercoats because ARMOURGUARD's superb barrier properties prevent oxygen and moisture reaching the surface of the substrate. Although ARMOURGUARD QD dries rapidly it takes several days to fully cure and therefore has a long over-coating period.

- **Short touch dry time**
- **Tremendous adhesion to the substrate**
- **Tremendous abrasion resistance**
- **Surface tolerant & can be applied to damp substrates**
- **Virtually impervious to moisture vapour**

ARMOURGUARD QD is a two-part, medium solvent epoxy co-polymer coating that contains 58% of ceramic micro-spheres. The cured coating contains the maximum possible amount of ceramic, which forms a slightly flexible composite coating with far superior adhesion, abrasion and corrosion resistance properties than normal epoxy coatings.

ARMOURGUARD QD is virtually impervious to water, water vapour and oxygen. ARMOURGUARD QD also contains a carefully selected blend of additives to enhance adhesion to steel and existing coatings.

ARMOURGUARD QD should preferably be applied to shot or hydro-blasted steel that is free from traces of soluble salts or to steel that has been primed with ARMOURGUARD BP. It can be applied to damp substrates without detriment to the durability of the coating. Puddles and large drops of water should be mopped up or blown away with compressed air before application of the coating. ARMOURGUARD QD can also be applied to sound old epoxy coatings provided they are clean and have been abraded.

ARMOURGUARD QD 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 QD can be applied with high pressure airless, conventional spray equipment supplied with material from a pressure pot, by brush or roller. For maximum protection three coats should be applied to a dry film thickness of 300 microns.

A dry film thickness of 100 micron will allow a theoretical coverage of 6m² per litre.

ARMOURGUARD QD is available in light and mid grey, black and off white. Other colours are available to order

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REACTIVE RESINS

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 QD	15 hours	2½ days	12 hours	2 days	6 hours	36 hours

SPECIFICATION	
Solids content	87%
Ceramic content in dry film	78%
Weight	1.60kg/litre
Solvent	SYNSOL 200 spray solvent
Adhesion ASTM D4541-95	19 N.mm ²
Abrasion resistance ASTM D4060-95	54 mg/1000 cycles. CS10 wheel with 1kg load