

## CLEARGARD

### High performance anti-graffiti coating

#### Description

An environmentally friendly, waterborne two component polyurethane coating based on polyol dispersions that meet or exceed the performance levels of typical solvent based systems.

Cleargard is a high performance anti-graffiti coating for concrete and brickwork, designed to overcome the problems associated with solvent borne systems, the coating provides a clear gloss finish and can be applied directly onto the substrate or as a protective overcoat to existing paint finishes.

Cleargard offers excellent UV stability and is resistant to solvent cleaners. It also contains a siloxane additive which provides outstanding hydro and oleophobic properties allowing the easy removal of felt tipped markers and paints.

#### Advantages

- Environmentally friendly.
- Non-flammable, low odour formulation.
- Economical in use and equipment may be cleaned with water.
- High performance, equal or better than solvent based systems.
- Easily applied by brush or roller.
- Versatile, apply as an overcoat to existing finishes or directly onto concrete, brick, block or timber.

#### Surface Preparation

All surfaces should be clean and free of all contaminants. Should the strength or the surface stability of the concrete base be in doubt, we would recommend that a trial patch of Cleargard be applied to assess its suitability.

#### Application Instructions

Cleargard should be applied at the correct coverage rate using a brush, applicator or roller. Thinning with water should not be necessary. One coat is normally applied but on very porous surfaces or where a high build is required a second coat may be applied. Additional coats must be applied immediately after the underlying layer has dried to avoid severe reduction in inter-coat adhesion. All equipment should be cleaned immediately after use with clean water.

#### Technical Information

##### Dry Times

Set to touch	2.5 hours	ASTM D-1640
Tack free	4 hours	
Full cure	6 hours	

##### Appearance

20° Gloss	89	ASTM D-523
60° Gloss	95	

##### Adhesion

Dry tape	5A	ASTM D-3359
Dry scrape	> 6 kg	ASTM D-2197
Wet tape		
(24 hrs/21°C)	5A	ASTM D-3359
Wet tape		
(4 days/21°C)	5A	ASTM D-3359

##### Chemical Resistance

Acid 10% HCl spot		
(7 days)	No effect	ASTM D-1308
Base 10% NaOH spot		
(7 days)	No effect	
Acid 5% Nitric spot		
(7 days)	Very slight discoloration	

##### Solvent Resistance

MEK	> 200 Double Rubs	ASTM D-4752
Toluene	> 200 Double Rubs	
Isopropanol	200 Double Rubs	

##### Impact Resistance

Direct	> 160 in-lbs	ASTM D-2794
Reverse	> 160 in-lbs	

##### Flexibility

O-T Bend	Pass	ASTM D4145-90
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##### Hardness

Pencil	2H	ASTM D-3363
Pendulum	220	ASTM D-4366

