PRODUCT DATA SHEET

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SURESEAL 690 SPUA

AROMATIC PURE POLYUREA COATING

DESCRIPTION

SURESEAL 690 SPUA is a solvent free, two-component pure polyurea coating. The seamless coating provides an elastic yet tear resistant surface for applications subjected to extreme wear and tear, strong impact and chemical exposure. Except for some yellowing effect, the coating is suitable for outdoor applications. A non-yellowing topcoat is recommended for area where colour stable finishing is required.

RECOMMENDED USES

SURESEAL 690 SPUA is suitable for indoor and outdoor applications. It is suitable for the following applications

- Indoor and outdoor floor slab
- Potable water tank lining
- Anti-corrosion costing for buried and submarine steel pipes
- Sewage treatment plants
- Secondary Containment for chemical tanks
- Lining on concrete or brick wall to prevent fragmentation during explosion
- Waste water tanks
- Waterproofing
- Water theme park

ADVANTAGES

- Seamless
- Attractive - provides a very smooth and aesthetic surface in a wide range of colours.
- Hard wearing - exhibits excellent abrasion resistance
- Elastic- bridge cracks on concrete surface.
- Non-skid – excellent grip.
- Chemical resistant - very good resistance to many industrial chemicals.

PHYSICAL DATA

Volume Solids	: 100%
No. of Coats	: One or two
Mixing Ratio	: 1 to 1 by volume
Recommended thickness	: 1.0 to 3.0 mm thick
Theoretical Coverage	: 1 m^2/liter @ 1.0 mm thickness
Pot life	: 10 to 15 seconds
Tack free time	: 30 seconds
Full Cure	: 3 days

MECHANICAL PROPERTIES

Tensile strength (ASTM D412)	: 21.7 N/mm^2
Elongation (ASTM D412)	: 450%
Tear Strength	: 81.3 N/mm
Hardness (ASTM D2240)	: 43 Shore D
Vapour Transmission	: 47.4/g/m^2/day
Abrasion resistance	: 0.01 g/1000 cycles
Taber Abraser (1000 g/CS10)	
Water resistance	: Not permeable
Temperature Resistant	: 175ºC

APPLICATION INSTRUCTIONS

Surface Preparation :

Concrete surface should be clean and free from oil, grease and other contaminants. New concrete shall be allowed to cure for at least 28 days before application of primer. The ideal mode of surface preparation for concrete is abrasive blasting.

Steel surface shall be free from oil and grease. The surface to be coated shall be dry abrasive blasted to Sa2.5 in accordance with ISO 8501-1.

Application :

This material is designed for application with heated, plural component airless spray equipment.

The transfer pump of at least 2:1 ratio are required to prevent cavitation of the proportioning pump.

Because of the relatively high viscosity and fast reactivity of this product, pressure of at least 2000 psi are required to ensure satisfactory mixing.