

DESCRIPTION

ACS Armour-thane is a high solids, high build; acrylic modified two pack solvent based polyurethane sealer/coating formulated to provide a smooth hard wearing surface for concrete.

FEATURES AND BENEFITS

- A hard and durable sealer.
- Resists marks and scuffs
- Provides outstanding exterior durability
- Offers excellent chemical and water resistance
- Is non-yellowing and re-coatable
- Can be used as a top coat for the *ACS Decra Flake* flooring system.

PACKAGING

ACS Armour -thane is a two part system:

20 litres Part A - 15 litres
 Part B - 5 litres

8 litres Part A - 6 litres
 Part B - 2 litres

Note: *ACS Armour-thane* may be coloured on request.

TECHNICAL PROPERTIES

Appearance	Uniform Coating
Colour	Clear
Finish	Gloss
Mix Ratio	3:1 by volume
Volume Solids	36% ± 1 %
Weight Solids	40% ± 1 %
Pot Life	4 hours
Specific Gravity	0.950 - 1000
Viscosity	50.55 sec @ 25° C
Re-coat Time	4 hours @ 25°c overnight recommended
Full Cure	7 days @ 25°c 50%RH

COVERAGE

First Coat:- 8-10m²/litre
Second Coat:- 10-12m²/litre.

Note:- Minimum application is two coats.

SURFACE PREPARATION

All surfaces to be sealed must be structurally sound and all previous coatings such as curing compounds, adhesives, efflorescence or laitance should be removed.

This is best achieved by acid etching, mechanical grinding, pressure water blasting or other suitable means. Clean the substrate with high pressure detergent wash to remove oil, grease and other contaminants and allow to dry thoroughly.

Ensure the concrete surface is free of loose materials and dry before application.

Very porous or 'boney' concrete may require three coats of *ACS Armour-thane*. The first coat which acts as a primer should be diluted by 5 – 10% through the use of a solvent. This allows better penetration into the pores of the concrete.

New concrete should be a minimum of 28 days old before application of *ACS Armour-thane*.

MIXING

1. Mixing should be by means of a mechanical forced action mixer with a high shear stirrer.
2. First, premix each individual component to form a homogeneous paste.
3. Second, join the two components by mixing **three parts of Part A with one part of Part B**, mixing thoroughly for a minimum of five minutes until a homogeneous blended paste is achieved.

4. Avoid trapping air during mixing as this may cause later 'pin holing' in the coating during application.
5. Only mix as much as might be used within the pot life of the product.

PLACING

1. Thin the first coat of *ACS Armour-thane* diluted 5-10% with *ACS Armour-thane Solvent*. *ACS Armour-thane* may be applied by brush or roller. If spray application is required, please contact the manufacturer. Allow the coating to cure for a minimum of four hours between coats.
2. Once cured apply a second coat. Successive coats should be applied at right angles to the previous coat.

CURING TIME

ACS Armour-thane will be touch dry in 3-4 hours and hard dry in 10 -12 hours.

CLEAN UP

Wash all equipment thoroughly in *ACS Armour-thane Solvent*.

PRECAUTIONS

- Contains flammable solvents.
- Keep away from heat and flames.
- Provide adequate ventilation.
- Wear eye protection.
- Discard any material that has exceeded the pot life or working time of the product.
- Wear solvent resistant gloves when mixing or applying the material.

STORAGE

Store in a clean and dry area in temperatures between 10°C and 30°C, keep away from direct sunlight. Shelf life is 12 months in original unopened container. Partly used containers must be sealed tight when not in use.

FIRE

ACS Armour-thane is flammable.

HEALTH & SAFETY

ACS Armour-thane is flammable and is classified hazardous under work safe guidelines. This product should be handled with care and due diligence.

- If poisoning occurs, contact a doctor or the Poisons Information Centre.
- If swallowed, do NOT induce vomiting, give a glass of water.
- If in eyes, hold eyes open, flood with water for at least 15 minutes and seek medical attention.
- If skin contact occurs, remove the contaminated clothing and wash skin thoroughly.

For further information consult the **Material Safety Data Sheet** and read the product label carefully before use. **Material Safety Data Sheets are available by phoning 1800 077 744.**

Please Note:- The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexpert or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



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