

Dr. Seal Flexible Acrylic Waterproofing Membrane

PRODUCT DESCRIPTION

DR. SEAL is an acrylic waterproofing membrane incorporating the most recent advances in polymer and paint technology. Shows significant advances in the areas of film build, adhesion, penetration, application and durability.



Exterior/Interior

Typical uses

- Concrete blocks
- Concrete surfaces
- Fibre reinforced cement

PHYSICAL PROPERTIES

Vehicle type	:	Pure acrylic
Pigmentation	:	Titanium dioxide/mineral and fibre reinforcement
Solvent	:	Water
Finish	:	Eggshell, very fine texture
Colour	:	Selected Total Colour System, including BS5252,
Dry time (minimum)	:	Multi-Finish, Whites & Neutrals and The Range.
Recoat time (minimum)	:	1 hour at 18°C
Primer required	:	3 hours
Theoretical coverage	:	Yes, dependent on surface First coat: 5 sq. metres per litre Second coat: 7.5 sq. metres per litre
Dry film thickness	:	2 coats 180 microns
Usual no. of coats	:	2; blockwork – 3
Abrasion resistance	:	Very good
Chemical resistance	:	Very good
Heat resistance	:	Thermoplastic
Solvent resistance	:	Good
Durability	:	Excellent
Thinning and clean up	:	Do not thin, clean up with water
VOC	:	c. 55 grams per litre

Performance and limitations

Performance

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1. Remarkable ease of application.
 2. Superior void and crack filling properties.
 3. Excellent durability. Requires no further weathering' coats.
 4. An Environmental Choice approved product.

Limitations

1. Old, weathered concrete requires surface conditioning with *Dr. SEAL Acrylic*.
2. Do not apply at temperatures below 10°C or when it is liable to drop below 10°C during the drying period.
3. Not designed to be used under pounded water.

Surface preparation

Cracked surfaces

Due to its high film build, *Dr. SEAL Acrylic* will completely fill cracks up to 1mm. For cracks larger than this, apply one coat of *Dr. SEAL Acrylic* Waterproofing Membrane before filling the crack with a suitable elastomeric paintable sealant.

New cementations surfaces

Clean down thoroughly to remove all dirt, dust and loose material. Ensure surface is free from oil, grease, form release and curing agents. Glossy surfaces require an additional treatment of may clog finer filters. Apply two coats. Primer on fresh cementations surfaces to trap any free lime and prevent the appearance of lime staining.

Old cementations surfaces

If moss and mould are present, treat with *Dr. SEAL Acrylic* Water blasting at 21,000 kps (3000 psi) is the best surface preparation method prior to painting weathered cementations surfaces. If water blasting is not possible, remove all loose powdery material by thorough wire brushing. Allow to dry and apply one coat of *Dr. SEAL Acrylic*.

Sanding dust from old lead or chromate based paints or old building materials containing asbestos may be injurious to the health if inhaled or ingested. Seek expert advice if the presence of these materials is suspected.

Application

Airless spray

Use a LTX 523 tip or similar. Use a coarse filter in the system as the fiber reinforcement of *Dr. SEAL Acrylic* may clog finer filters. Apply two coats.

Brush

Apply two coats at specified rate.

Roller

Use a 12-20mm synthetic fiber roller or texturing roller depending on surface. Apply two coats.

Standard spray

Use a De Vilbiss JGA Gun with a D Tip DEX Needle and 107J Air Cap or equivalent.

Concrete blocks

Due to regional variations in concrete block standards, two coats may be insufficient to waterproof. Waterproofing can only be assured when all voids are filled, therefore three coats over block is a safer specification. Brush or roller application is preferred over block and essential for at least the first coat.

Precautions

1. Do not thin – thinning destroys build properties.
2. Ensure correct pre-treatment is used and correct surface preparation is undertaken.