



Certificate SG95/06111

FLEXCOAT

R-23 FLEX

A Flexible 2-Part Cementitious Waterproofing System



Compatible with most Tile Adhesive
Non-Toxic-Safe for Drinking Water
Exterior and Interior use
Accommodates Movement and Bridge Cracks

**One Source Solution To All Your
Leaking and Tiling Problems**

DESCRIPTION



R-23 Flex is a two component flexible cementitious waterproofing membrane which reacts chemically after mixing to form a hard and elastic film. It has excellent adhesion to most building substrates.

R-23 Flex can be applied onto damp substrates. Its unique chemical structure provides a breathable membrane that is permeable to water vapour and yet impermeable to water. The cured membrane is flexible, durable and weather resistant and not affected by change in weather conditions. It can receive different types of paint materials.

R - 23 Flex can receive direct plaster or screed without affecting the bonding characteristics. Marbles and tiles can be fixed directly onto R-23 Flex with most type of adhesive. It is also ultraviolet resistant and foot trafficable when cured.

R-23 Flex can accommodate sufficient movement of structures up to 2mm width.

It is used as a repair material for bridging cracks in substrate or cracks due to shrinkage.



CONCRETE GUTTER

ADVANTAGES

- Pre-packed (2 component eliminates risk of incorrect mixing ratio).
- Easy to mix and apply using brush, roller or suitable spraying machine
- Seals lightweight aerated blocks and precast joints.
- Excellent adhesion to concrete, masonry, ceramic, natural and artificial stones, cement board, steel, galvanized metal, copper, PVC, etc.
- Anti-carbonation protection
- Non-toxic
- Foot trafficable when cured
- Will not attack metal
- No protection required prior to fixing of other types of finishes
- Algae and fungus resistant
- Flexible and seamless

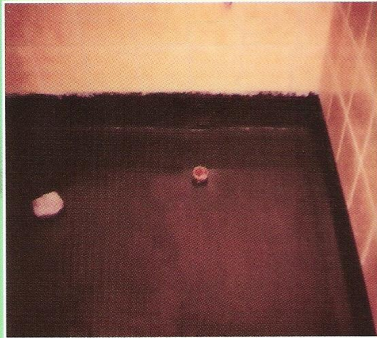
USES



- Interior and exterior surface of wall and slab
- Swimming pools
- Kitchen and pantry areas
- Toilet and bathroom
- Balcony and planter boxes
- Water tank
- Roofdeck and slab
- Gutter

SURFACE AND PREPARATION

Clean the substrate of any protrusions or substances that may damage the membrane. Ensure surfaces are free from dirt, dust, grease, oil, wax, curing compounds and any other loose contaminating materials. Fill all voids, cracks, edges, and angles with NSG 101 (Non-Shrink Grout) or suitable repair material, so that the prepared surface is sound, even and clean.



TOILET AND BATHROOM

MIXING

Pour Part A (Liquid) into a clean mixing container, Add Part B (Powder) gradually while mixing until a lump free plastic consistency is achieved. NO ADDITION OF WATER IS ALLOWED. It is recommended to use mechanical mixing (400-500rpm) for 2-3 minutes to ensure proper dispersion of the components.

APPLICATION

Prewet the surface with clean water as damp substrate. Do not allow pooling or ponding of water. Very porous surface must be applied with Primer prior to application of R-23 Flex. Apply the mixed R-23 Flex onto the prepared surface using brush, roller or suitable spray machine. Apply 1 to 2 coats finish depending on site conditions and film thickness required. Prior to application of the second coat, the 1st coat must be left dry tacky approximately after 2-3 hours depending on temperature. It is recommended that the second coat must be perpendicular to the first coating to ensure coverage. Overcoating is done more than 24 hours after applying the previous coat, or has already dried out, the surface must be prewetted again prior to application of the second coat.

TECHNICAL DATA

Tensile Strength	> 1.56 n/MM2	astm d 412-92
Elongation at Break	> 172%	astm d 412-92
Adhesion to Concrete	1.18 n/MM2	astm d 4541
Flexibility over 25mm diameter mandrel	Passed	
Bridge cracks up to 2mm	Passed	
Hardness Shore A	> 83	astm S2240 :91
Improves water resistance of concrete by more than 7 time @ .4kgf/cm2	Passed	DIN 1048
Water vapour transmission	<25g/m2 /24 hrs.	
Chemical Resistance	Passed	0.5% NaOCI 1. % NH_4OH 3.5 % HCl
Chloride content	<0.01	
Toxicity BS6920	Passed	
Working Time (30° C)	approx. 1 hour	
Drying Time (30° C) Touch Dry	1- 3 hours	
Foot Trafficable	4 hours	
Ponding Test	48 hours	

PACKAGING AND COVERAGE

Pack Size	Liquid Component	Powder Component	Thickness	Coverage (Min 2 coats)	Consumption
42 kg set	17 kg	25 kg	1.0 mm	16-25m ²	approx 1.67 kg/m ² to 2.5 kg/m ²
10 kg set	4 kg	6 kg	1.0 mm	4-6.0m ²	approx 1.67 kg/m ² to 2.5 kg/m ²

CLEANING

All tools and equipment should be cleaned immediately with clean water after use. Hardened material can only be removed mechanically.

HEALTH AND SAFETY

Product contains cement which may cause dermatitis. Wear rubber gloves when handling the product. In case of insufficient ventilation, put on suitable respiratory equipment. Do not apply the product when the surface temperature is below 5° C or greater than 45° C. Product is classified as non-hazardous

DISCLAIMER:

The use of this product is beyond the manufacturer's control, and liability is restricted to the replacement of materials proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage.



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R-23 FLEX**Two Components Flexible Cementitious Waterproofing Membrane**

It is a 2-part acrylic modified cementitious which reacts chemically after mixing to form a hard and elastic film which bonds tenaciously to most concrete and masonry substrate. The cured membrane is flexible, durable and weather resistant and has excellent adhesion to most building substrate. It can accommodate sufficient movement of structure up to 2mm width and can be used as a repair material for bridging hairline cracks.