

ROCK PROOF 777

Flexible Protective and Waterproofing Slurry

Product Description	A cement base, 2 component polymer modified waterproofing slurry. It is applied to concrete and mortar structures to prevent water infiltration.
Uses	<p>Rock Proof 777 is used for external and internal waterproofing, crack sealing, repair work and protection from frost and detrimental effects of deicing agents in the following structures:</p> <ul style="list-style-type: none"> ■ Sewage treatment facilities including concrete tanks, digestors, clarifiers etc... ■ Water treatment facilities. ■ Basements. ■ Terraces and balconies. ■ Bridges. ■ Retaining walls. ■ Sea walls. ■ Small flat roofs. ■ Swimming pools
Advantages	<p>Rock Proof 777 provides the following beneficial properties:</p> <ul style="list-style-type: none"> ■ Pre-batched components. ■ Mixed and applied easily. ■ Slurry or trowelable consistency. ■ Good adhesion to sound substrates. ■ Impermeable. ■ Increased frost and salt resistance. ■ Non-toxic. ■ Slightly flexible. ■ Can be spray applied.
Certificates of Approval	The Egyptian National Organization for Water and Sewage.
Product Data	
Form	Comp (A): Liquid Comp (B): Powder
Colour	Grey
Packaging	25 kg (A+B)
Storage Conditions	Free from frost and moisture.
Shelf Life	12 months when unopened.
Technical Data	
Density	Comp (A+B) = 2.0 kg/l (mixed)
Compressive Strength	30 - 40 N/mm ² at 20°C after 28 days (mortar consistency) I.S.O. Quality assurance laboratory Results.
Flexural Strength	10 - 12 N/mm ² at 20°C after 28 days (mortar consistency).
Bond Strength	Approx. 2 - 3 N/mm ² after 28 days (sand blasted).
Application Details	
Mixing Ratio	Slurry 1: 4 by weight Mortar 1: 4.5 by weight
Coverage	Depending on type of application, two (2) coats always required. Three (3) coats may be required in areas of extremely high infiltration. 1 st coat consumption 1-1.5 kg/m ² on damp surface. 2 nd coat consumption 0.8 - 1 kg/m ² approx.
Surface Preparation	Concrete, mortar and masonry surfaces must be clean, free from grease, oil and loosely adhering particles. Steel and iron surfaces must be free from scale, rust, grease and oil. All surfaces must be as true and flat as possible. Saturate absorbent surfaces thoroughly with water before application.

Application

Mixing

The consistency of the mix can be altered by reducing the amount of component (A) (liquid) to be used. Under normal circumstances, when the full quantities of both components are mixed together, a slurry consistency will result. For a trowelable consistency use only 90% of component (A) (approx. 4.5 kg) Mix in a clean container by slowly adding the powder component to the liquid component and stirring with slow speed mixer.

Application

While the surface is still damp (no standing water) apply the first coat and leave to harden (2-6 hours). For slurry consistency, apply with a hard-plastic bristled brush or broom. For trowelable mortars, use a notched trowel. After the second coat has been applied, finish by rubbing down with a soft dry sponge.

Cleaning

Do not leave material to harden before cleaning tools and equipment with water. Hardened material can only be removed mechanically.

Pot Life

35 minutes at 20°C, at higher temperature consult Sika Technical Services.

Important

Recommendations

Minimum ambient and substrate temperature +8 °C. Never apply more than 4 kg/m² for one layer.

Curing

In severe heat and/or wind, protection of the Rock Proof 777 is recommended. Under normal circumstances curing is not required. For further clarification please contact Sika Technical Service.

Safety Instructions

Ecology

Do not dispose of into water or soil, but according to local regulations.

Transport

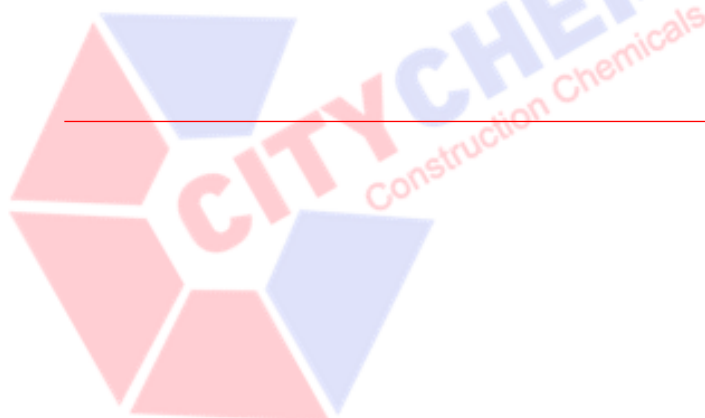
Non-hazardous.

Safety Precautions

Wear gloves and goggles. In contact with eyes or skin product, may cause irritation.

Toxicity

Non-Toxic under relevant health and safety codes.



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CONSTRUCTION