

# ROCK SEAL 777 (ELASTIC)

(High Elastic Protective and Waterproofing Slurry)

## Description

A cement base, 2 component polymer modified high elastic waterproofing slurry. It is applied to concrete and mortar structures to prevent water infiltration.

## ADVANTAGES

Rock Seal 777 (Elastic) provides the following beneficial properties:  
 Easy application by metal spatula, roller or flat brush, sprayed, even onto vertical walls and ceiling.  
 Capable of accommodating substrate flexural strains.  
 Crack bridging capability, even on existent cracks or cracks that might open after the product application.  
 Optimum adhesion onto almost all substrate, such as for instance concrete, Cementitious mortars, stone, ceramics, bricks and wood.  
 Non-toxic.

## FIELDS OF USE

Due to its high elasticity, Rock Seal 777 (Elastic) is applicable on different structures including those subject to thermal movement and vibration as:  
 Waterproofing and protection of structures under hydraulic pressure, like water storage tanks, swimming pools, concrete pipes, bridge parapets, water canals, sewage treatment structures....etc.  
 Waterproofing and protection of external walls to be buried below ground.  
 Internal waterproofing against hydrostatic water pressure of walls and floors in basements and other below ground structures.  
 Waterproofing of terraces and balconies on concrete and old tiles substrates.



Protection of exposed and weathered, new and existing concrete surfaces, as anti-carbonation and as cover compensating in case of insufficient cover (2 mm Rock Seal 777 (Elastic) is equivalent to 6 inches of concrete)  
 Elastic coating of precast concrete surfaces, subject to flexural loading and vibration, etc

## APPLICATION

### Mixing

Rock Seal 777 (Elastic) shall be mixed with a low speed (< 500 rpm) electric drill mixer. Pour the liquid component (A) into a suitable mixing container. While stirring slowly, add the powder component (B) to component A. Mix thoroughly for at least 3 minutes to the required consistency.

### 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.

### Important Recommendations

Minimum ambient and substrate temperature +8 C. Never apply more than 4 kg/m<sup>2</sup> for one layer.

### Curing

In severe heat and/or wind, protection of the Rock Seal 777 (Elastic) is recommended. As with all cement based products, curing is important. Protect newly applied product against direct sunlight, wind, rain and frost

## PRODUCT DATA

DISCRIPTION	VALUE
Colour	Grey
Chemical Base	Part A: liquid (Styrene acrylic) polymer and additive Part B: Portland cement selected aggregate and admixtures
Density	Comp (A+B) = 1.7 kg/l (mixed)
Compressive Strength	30 - 40 N/mm <sup>2</sup> at 20°C after 28 days (mortar consistency)
Flexural Strength	10 - 12 N/mm <sup>2</sup> at 20°C after 28 days (mortar consistency)
Bond Strength	Approx. 1 N/mm <sup>2</sup> after 28 days (sand blasted)
Mixing Ratio	Slurry 1: 2 by weight
Initial Tensile adhesion strength	> 0.5 N/mm <sup>2</sup>
Crack Bridging ability at 23 C	> 1.0 mm.
Tensile adhesion 28d after water immersion	> 0.5 N/mm <sup>2</sup>
Elongation at break	120 - 140%

## 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.

## SURFACE PREPARATION

Concrete, mortar and masonry surfaces must be clean, free from grease, oil and loosely adhering particles. All surfaces must be as true and flat as possible. Saturate absorbent surfaces thoroughly with water before application.

## COVERAGE

Depending on type of application, two (2) coats always required. Three (3) coats may be required in areas of extremely high infiltration. 1st coat consumption 1-1.5 kg/m<sup>2</sup> on damp surface. 2nd coat consumption 0.8 - 1 kg/m<sup>2</sup> approx.

### NOTE :

Packaging : 30 kg (A+B)  
Storage Conditions : Free from frost and moisture.  
Shelf Life : 12 months when unopened.