

## TECHNICAL DATA SHEET

### **EURO-PRUF 505**

#### **Flexible Cementitious Waterproofing Slurry**

#### **DESCRIPTION**

**EURO-PRUF 505** two-part acrylic modified flexible cementitious waterproofing system. The two components will react chemically after mixing to form a hard and elastic waterproof coating to protect against ingress of water.

#### **FEATURES**

- Excellent waterproofing
- Excellent bonding strength
- High elasticity
- Excellent alkaline resistant
- Applicable to wet substrates
- Non-flammable
- Seals precast joints
- Excellent durability
- Anti-carbonation protection

#### **USES**

For interior and exterior surfaces of walls and floors, roofs, swimming pools, bathrooms, kitchens, planter boxes, reservoirs, sumps, basements, retaining walls, concrete gutter, balconies, kitchens, sewerage processing tanks, lift pits.

#### **TECHNICAL INFORMATION**

Elongation at break (ASTM D412:98)	: >50%
Ensil strength (ASTMD412-98)	: > 2N / mm <sup>2</sup>
Adhesion to concrete (ASTMD4541-93)	: > 1.0 N / mm <sup>2</sup>
Set To-touch Time (ASTM d1640-83)	: < 2 hours @ 30°C
Water Resistance (DIN 1048-91)	: No water penetration @ 0.2 kgf/cm <sup>2</sup> for 6 hours
Toxicity (SS 375:2001)	: Passed

#### **SURFACE PREPARATION AND PRIMING**

Surface to be waterproofed must be sound, clean – free of dirt, dust, grease, oil, wax, curing compounds and other contaminants. All cracks voids, chipped edges, uneven surfaces and holes are to be repaired with Euro-Rapid Repair. Fresh concrete must be cured for at least 14 days prior to application.

Wet the prepared substrate with clean water before applying **Euro-Pruf 505**. Care should be taken to ensure that there is no water ponding areas. Where appropriate, especially for low absorbent surfaces, use Euro-Primer P1 for priming. DO NOT DILUTE Euro-Primer P1. Apply by brush or roller at the rate of 0.15 – 0.2 kg per sq meter depending on substrate porosity. Allow it to dry prior to further application, usually about 2 hours depending on climate conditions.

### **MIXING**

Use in the proportion of 10 kgs of **Euro-Pruf 505** Part A with 25 kgs of Part B. Put Part A into a suitable sized clean container. Add Part B gradually while mixing until a homogenous and lump-free slurry is obtained. Use hand-frill for better dispersion of the components. DO NOT ADD water or any other ingredients.

### **APPLICATION**

Apply by brush, roller or trowel. Minimum 2 coats should be applied. Coverage should be 1.0 kg/m<sup>2</sup> per coat. Allow first coat to touch dry before applying second coat, usually about 1-3 hours apart depending on substrate porosity and climate condition. If second coat is applied more than 24 hours after the first coat, or the first coat is completely dried out, the surface must be pre-wet with water prior to application. Total composite dry thickness should be at least 1.3mm.

For roofing, **Euro-Pruf 505** can be reinforced by using Euro-Fabric. Apply first coat at the rate of 1.5 kg/m<sup>2</sup>. Immediately put Euro-Fabric onto the first coat and apply second coat at the rate of 1.0 kg/m<sup>2</sup>. while applying second coat, lightly press Euro-Fabric onto first coat layer using roller. Apply third coat if further build-up is required.

### **TOOLS**

Use brush, roller or trowel. Wash with water immediately after use.

### **SHELF LIFE**

When store in cool and dry place, sealed in unopened container, shelf life for Euro-Pruf505 should be as follows: -

Part A : 2 years

Part B : 6 months

### **PACKING**

Part A : 10 kgs pail

Part B : 25 kgs bag

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