

## **mira 4400 multicoat**

**Highly elastic, viscous material for water insulation in wet rooms: bathrooms, terraces, balconies, washing room's etc.**

### **Characteristics**

- homogeneous, ready-to-use material
- waterproof
- frost resistant (after hardening)
- no thinners
- highly adhesive
- for indoor and outdoor use
- applicable on vertical and horizontal surfaces
- for use directly under tile substrate
- forms rubber-like membrane after drying-up
- easy in preparation

### **Use**

Used for forming of 100% waterproof, elastic, joint-less membrane for water insulation on floors, walls, in wall and wall/floor corners, connections of wall joints between panels or elements, pipe junctions in wet zone of wet rooms. **4400 multicoat** is used as a humidity and water protection layer on concrete floor, plaster, light weight concrete, fully joint brick wall, cement or anhydrite based substrate screed, plaster board, wooden based panels and old ceramic facings. The water shall be "pressure-free" i.e. **4400 multicoat** must not be used in swimming pools etc. Is also applicable on heated substrates. Ceramic, clinker and stone tiles can be fixed directly on the multicoat layer.

### **Substrate preparation**

The substrate must be dry, compact, cleaned of dust, grease, oil etc. Concrete slurry (if any) should be removed, weaker parts of substrate should be removed and then repaired again. Remove dust with a vacuum cleaner. Grease, oil, dirt should be cleaned with **7110 base cleaner**. The entire surface should be clean of dust. Absorptive substrates should be primed with **mira 4120 sealer**, thinned with water in the ratio: 1 part of **4120 sealer** and 3 parts of water. Non-absorptive substrates e.g. painted or made of ceramic tiles shall not be primed.

When the surface is dry mira 4400 multicoat can be applied.

### **Technical conditions**

#### **a. Mixing**

**4400 multicoat** is ready-to-use and must not be thinned. Stir slowly the mass in the can/bucket before use.

#### **b. Application**

Spread the mass with a brush, roll or a trowel. First protect corners, wall/wall and wall/floor, joints between panels or elements by covering them with two layers of **4400 multicoat** filled with **safe coat** strip; water installation inlets and water outlets should be protected with special flanges of safe coat called **seal manchet**. On walls 2 layers of **4400 multicoat** should be laid, without safe coat. The second layer should be spread when the first is dried-up after 1-2 hours. On floors 2

layers of **4400 multicoat** should be applied, with **safe coat** as a carrying layer. Floor insulation should be done during one working cycle.

The **safe coat** mat should be covered completely with the second layer of **4400 multicoat** to reach the proper thickness of min. 1,5 mm.

c. Temperature/weather condition

Minimum air and substrate temperature +6°C

When applied outdoor (terraces, balconies), protect the mass from intensive sunlight and rain.

d. Application time:

Non used 4400 multicoat in the packing can be stored in closed can/bucket.

e. Hardening time:

The membrane is totally dry after approx. 12 hrs in the temperature of 10-15°C.

**Consumption:**

Walls: min. 1 kg/m<sup>2</sup>

Floor: min. 1,5 kg/m<sup>2</sup>

Connections wall / floor, wall corners, joints of panels and elements: 200 – 300 g/running meter

**Technical data**

Based on synthetic latex, binders and mineral pigments

Extensibility ca. 1200%

Temperature resistance -20 to + 120°C

Membrane thickness wall min. 1 mm – floor min. 1,5 mm

Stepping-on / tile laying after 12 hrs

Volume density 1250 kg/m<sup>3</sup>

The product is alkali resistant.

After drying-up: frost resistant and waterproof.

The product is not UV-resistant.

**Cleaning of tools:**

Tools should be cleaned with water or turpentine directly after use.

**Packing:**

**4400 multicoat** is packed in 1 kg, 6 kg and 15 kg cans / plastic buckets.

**Storage and transportation:**

Transport and store frost free. Protect from frost, excess heat and sunlight. Storage period: Min. 1 year from the production date in original and undamaged packing.

**Industrial safety:**

This product contains no harmful substances; thus no special safety means shall be used.

**Certificates:**

**PL:** Hygiene Evaluation PZH No. 2/B-295/95 and ITB AT-15-4076/00.