

## KEIM AquaROYAL®- Armierungsmörtel Reinforcement mortar for Aqua ROYAL-ETIC systems



### 1. Product description



KEIM AquaROYAL-Armierungsmörtel is a mineral reinforcement mortar with hydro-active properties in the system structure of the AquaROYAL systems MW and EPS. KEIM AquaROYAL-Armierungsmörtel is a factory-produced dry mortar according to DIN EN 998-1.

### 2. Field of application

KEIM AquaROYAL-Armierungsmörtel serves as a thick-layer reinforcement mortar for AquaROYAL-systems MW and EPS.

### 3. Product properties

- Hydro-active effect for optimised, toxic-free algae prevention in the AquaROYAL system structure
- Without addition of biocides
- High layer thickness for increased heat retention capacity
- Excellent processing properties
- Fibre reinforced
- High water vapour permeability

#### Material characteristics

- Water absorption ( $\text{kg/m}^2\text{h}^{0.5}$ ):  $w < 0.5$  according to DIN EN ISO 15148
- Diffusion resistance  $\mu$ : approx. 15
- Colour shade: Natural white

#### Please note:

Do not add any additives to the mortar.

### 4. Application instructions

#### Substrate preparation

The substrate must be sound, smooth, clean, dry and free of adhesion diminishing residues.

#### Application

Mix bag content (25kg) with approx. 6.5 litres of clean water depending on the plaster structure and stir thoroughly until reaching an appropriate consistency for application. KEIM AquaROYAL-Armierungsmörtel (reinforcement mortar) can also be mixed with all customary plastering machines.

#### Single-layer reinforcement:

Apply KEIM AquaROYAL-Armierungsmörtel approx. 5 mm thick onto the insulation panels and strip down evenly. Then press the KEIM Glasfaser-Gittermatte-Medium (glass fibre welded wire mesh medium) in strips (overlapping 10 cm in the joint area) avoiding creasing with a roller or a trowel into the KEIM AquaROYAL-Armierungsmörtel and coat again wet-on-wet with 2-3 mm of AquaROYAL-Armierungsmörtel. The welded wire mesh should be embedded in the upper third.

#### Double-layer reinforcement:

Apply KEIM AquaROYAL-Armierungsmörtel (reinforcement mortar) approx. 4 mm thick onto the insulation panels, strip down evenly and then roughen the surface with a roughening comb. After appropriate standing time (at least 1 day), apply KEIM AquaROYAL-Armierungsmörtel approx. 4 mm thick onto the first layer. Embed the KEIM Glasfaser-Gittermatte-Medium into the KEIM AquaROYAL-Armierungsmörtel overlap joints by 10 cm. The welded wire mesh should be placed in the upper third of the reinforcement layer and should be completely embedded.

#### Application conditions

Ambient and substrate temperature must not fall below + 5°C during the application and drying phase. Do not apply in direct sunlight or onto sun-heated substrates. Protect surfaces from wind and rain during and after application.

#### Consumption

Reinforcement: approx. 8 kg/m<sup>2</sup>

The consumption value is a reference value without commitment.

#### Cleaning of tools

Clean with water immediately after use.

### 5. Packaging

25 kg bag  
Silo on request

### 6. Storage

Shelf life is approx. 12 months if kept cool, dry and frost-free in originally closed container.



## 7. Hazardous substances ordinance class

Xi Irritant

- R 37/38: Irritating to respiratory system and skin.  
R 41: Risk of serious damage to eyes.  
S 2: Keep out of reach of children.  
S 22: Do not breathe dust.  
S 24/25: Avoid contact with skin and eyes.  
S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 36/37/39: Wear suitable protective clothing, gloves and eye/face protection.  
S 46: If swallowed, seek medical advice immediately and show this container or label.

## 8. Transport hazard class

n/a

## 9. Disposal

EC Waste Code No. 17 01 01.

## 10. Safety instructions

Provide appropriate protection for surfaces which are not to be coated (e.g. glass, natural stone, ceramics, etc.). Lime and cement have an alkaline action. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Keep out of reach of children.

Product code: ZP 1

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