MAPEI RENDER SYSTEMS - GARDEN WALLS & PLANTERS



MAPEI UK RENDER SYSTEMS FOR RETAINING WALLS AND HIGH-MOISTURE ZONES

The **Mapei Waterproof Render System** is designed for areas exposed to high levels of moisture, splash back water and ground contact, including retaining walls, planters, basement walls, plinths and below DPC zones. The system combines waterproofing, reinforcing renders and decorative finishes to provide long-term durability and protection.

RECOMMENDED APPLICATIONS

- Retaining walls
- Raised planters
- Basement walls
- Plinths and below DPC zones
- Landscaped garden walls
- Moisture-prone masonry and concrete structures

The system is particularly suited to high-moisture environments where waterproofing and decorative finishes are required.

SYSTEM BUILD-UP

1. SUBSTRATE PREPARATION

Substrates must be:

- Structurally sound
- Clean and free from any laitance
- Free from oils, grease and contaminants
- Organic growth treated and removed
- Fully cured

2. WATERPROOFING LAYER

Option 1 – Soil retaining face

Product – Planiseal 88

APPLICATION:

- Apply with a brush, trowel or spray
- Application by brush requires 2-3 coats (generally 5-6 hours between coats and no more than 24 hours between coats)
- In all cases the final thickness must be approximately 2-3mm

BENEFITS

- Waterproof barrier
- Resistant against positive and negative water pressure
- Excellent Adhesion to concrete and masonry
- Suitable for potable water structures

Option 2 – Front face of wall

Product – Mapelastic Foundation

APPLICATION:

- First coat approximately 1mm by roller or trowel
- Embed detailing materials where required
- Apply second coat to achieve a total thickness of approx. 2mm (use no more than 60 minutes after being mixed)

BENEFITS

- Waterproof barrier
- Crack-bridging properties
- Resistance to aggressive ground conditions
- Protective coating for concrete and masonry

3. RENDER BASECOAT

Product – **Mapetherm AR1 GG**

Apply as a reinforced basecoat over the cured waterproofing layer.

Typical overall thickness:

- 5-6 mm

Reinforce with **Mapetherm Net**

- Fully embedded
- Minimum 100 mm overlaps
- Continuous reinforcement across substrate transitions

Benefits:

- High impact resistance
- Excellent adhesion
- Water-repellent properties
- Suitable for challenging environments

4. DECORATIVE FINISH

PRODUCT OPTIONS

Option 1 – Mape-Mosaic Quartz Render

Silicone-acrylic based render with coloured quartz. High mechanical strength and impact resistance.

BENEFITS

- UV resistant
- Weather resistant
- Durable textured finish
- Low maintenance
- High impact resistance

Option 2 – Silancolor Tonachino Plus

Full silicone based textured thin coat render finish. Breathable with added protection against algae, mould and fungi.

BENEFITS

- UV resistant
- Weather resistant
- Protection against organic growth
- Low maintenance
- Wide colour selection

INSTALLATION SEQUENCE

STEP 1

Prepare substrate and carry out repairs where necessary.

STEP 2

Apply Mapelastic Foundation or Planiseal 88 as per the technical data sheets, making sure sufficient coverage is achieved.

STEP 3

Allow waterproofing membrane to fully cure.

STEP 4

Apply Mapetherm AR1 GG basecoat and embed Mapetherm Net as per the technical data sheets.

STEP 5

Allow Mapetherm AR1 GG to fully cure.

STEP 6

Prime the substrate with either Silancolor Base Coat or Universal Base Coat as per the technical data sheets and allow to dry.

STEP 7

Apply a layer of Mape-Mosaic Quartz Render or Silancolor Tonachino Plus as per the technical data sheets.