



# HS REPAIRO

## POLYMER MODIFIED REPAIR MORTAR



**Packaging**  
30 kg Bag

**Minimum thickness:** 10mm  
**Maximum thickness:** 50mm



**Pot Life (max. open time):**  
50 - 60 minutes after mixing depending on ambient and surface conditions



**Appearance/ Colour:**  
Powder Grey



**Storage Condition:**  
Store in a dry area between +5°C and +30°C. Protect from direct sunlight

### Product Description

This is a one component, non-sag, cementitious, multi-purpose patching and repair mortar.

- Easy to mix, apply and finish
- Suitable for overhead applications
- Excellent adhesion and compatible with typical concretes
- Shrinkage compensated
- Permeable to water vapour
- High resistance to freeze/thaw cycling

### Application:

- Consumption /Dosage Volume Yield: 18.30 ls per 30kg bag. The concrete substrate must be sound and sufficient compressive strength [min. 20 N/mm<sup>2</sup> (Mpa) with a minimum pull off strength of 1.5 N/mm<sup>2</sup> (MPa)]
- The surface must be dry and free of all contaminants such as oils, grease, coatings and surface treatments, etc. and mechanically treated to remove cement laitance
- Surface defects such as honeycombed areas; blowholes and voids must be fully exposed
- Repairs should be carried out using the appropriate product from Berger range of materials
- Substrate Preparation/All surfaces must be clean, sound and properly cured
- Priming to be done mechanically, with a wire brush, or by water or sand blasting
- Embedded reinforcing steel should be free from scale, rust, oil and grease and treated with a suitable protective coating
- The extremities of all repairs should be recessed at least 10mm to avoid feather edges.

### Application Conditions /Limitations:

Substrate Temperature: Min. 5°C – max. 30°C. Ambient Temperature: Min. 5°C – max. 35°C.

### Physical characteristics

Appearance/Colour	Powder Grey
Application temperature	Substrate Temperature : Min. 5°C – max. 30°C Ambient Temperature : Min. 5°C – max. 35°C
Density	1.6 – 1.7 kg/litre
Consumption /Dosage Volume Yield	18.30 litres per 30kg bag.
Recommended thickness range	10 – 50 mm layer thickness

### Technical characteristics

Compressive Strength	12.0 N/mm <sup>2</sup> @ 24 hours (at 23°C /50% rh)   31.0 N/mm <sup>2</sup> @ 7 days   43.0 N/mm <sup>2</sup> @ 28 days
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### Shelf-Life:

12 Months from Manufacturing

### Health & Safety:

- Avoid contact with skin / eyes and avoid swallowing
- Ensure adequate ventilation and avoid inhalation of vapour
- Suitable protective clothing, gloves and eye protection should be worn
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water
- Do not use solvent to clean the contacted area
- In case of eye contact, wash with plenty of clean water and seek medical advice
- If swallowed, seek medical attention immediately. Do not induce vomiting.

### Application Instructions:

For normal applications add 4.5 – 4.8 ls of water per 30 kg bag depending upon the desired consistency. Mix manually or mechanically (Mechanical mixing is preferred for quantities greater than 1 bag). Continue mixing until a uniform, lump-free consistency is obtained.



#### Mixing:

**Mixing Time:** 3 minutes

**Mixing Tools:** Mechanical slow speed drill



**Application Method /Tools:** Dampen the surface thoroughly with clean water and then prime it with Berger protective coatings and bonding agent suitably depending on the applications. Apply HS Repairo - Polymer Modified Mortar within open time of primer to a maximum thickness of 50mm per layer and compact thoroughly by trowel.

### Cleaning of Tools:

Remove uncured HS Repairo - Polymer Modified Mortar from tools and equipment with water. Cured material can only be removed mechanically.

### Notes on Application /Limits:

Freshly applied HS Repairo - Polymer Modified Mortar should be protected from damp, condensation and water for at least 12 hours. Avoid puddles on surface. The normal precautions pertaining to dew point should be observed. Protect from rain until initial set has been achieved.

### Curing Treatment:

Curing is important where ambient conditions may lead to rapid surface drying, the use of light water fogging for 48 hours or Berger HS CureCrete AP curing compounds are recommended. (Do not commence fogging until initial set has been reached; typically, 1 - 2 hours depending upon ambient conditions).

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