



PORoment Additive for Site Mixing

PORoment – the solution for moist brick, stone and mixed masonry to ward off problems of ...

- rising damp
- hygroscopic humidity
- condensation moisture
- flooding
- clammy basements in old and new buildings
- burst pipes and water-caused damage

The material: PORoment is a powdery additive in a purely mineralic medium for on-site mixing of PORoment Wet Wall Plaster. The pulverised PORoment additive is mixed with the sand-cement mortar on the building site.

Preparatory work – plaster base:

The plaster base is checked in accordance with Austrian Standard ÖNORM B 3346. The base must be clean, frost-protected, not water-repellent, free of efflorescence, able to support the load and free of any loose particles. Remove any damaged plastering or rendering across a space of at least 1 metre away from the visible or measurable moisture line. Strip the masonry so that no residues of plastering, tar, etc. remain on the surface. Immediately remove the building rubble. Use lathing when the base does not support the load. Absolutely ensure that **no gypsum** is used to attach power lines or similar and that **no gypsum residues** remain in place. Use sulphate-resistant quick-setting cement instead of gypsum.

Application: First wash/wet all of the surface planned for a day's work by hosing it down at full blast (nozzleless hose). Finished surfaces exposed to wind and sunshine need to be rewetted and/or shaded as required. If necessary rewet the surfaces before knocking off.

Tack coat:

Apply with a trowel to cover the entire surface up to a thickness of 5 mm, keeping the surface rough.

Backing coat / undercoat / scratch coat mortar: *minimum layer thickness: 25 mm.*

Simply trowel the mortar (with a timber screed batten) – **do not float it**. Leave the surface rough. For greater thicknesses apply the mortar in equal layers of 20 mm each. Leave 24 hours between applications or longer in the case of unfavourable site conditions.

Rewet the surface before adding another layer.

Final coat: (see mixing instructions on p. 2)

Supplied in: tins holding 200 g (10 tins per box = 2 kg)

Application rate: Combined with sand, cement and water, one tin yields about 78 litres of wet mortar, sufficient for a rendering surface of about 4.0 m² at a layer thickness of 20 mm.

Please note: A minimum layer thickness of 25 mm must be applied. Do not use PORoment in case of infiltration or seepage water.



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Mixing instructions:



- (1) water, c. 8 litres
- (2) washed sand, 60 litres
- (3) POROment (1 tin)
- (4) cement, 15 litres

When using a drum mixer of a capacity of at least 130-140 litres. Reduce mixing time when using paddle mixer. Not suitable for continuous mixer.

Note:
Do not add lime or chemical additives.

Use only high-quality cement

(CEM I 32,5 R or CEM II/A – L 32,5 R or CEM II/A – LL 32,5 R)

Tack coat: mix same as backing coat, but add water in the second half of the mixing time until the mixture has the proper consistency.

Backing coat / undercoat / scratch coat mortar:

- (1) Pour about 8 litres of clean piped water into the clean drum of the mixer.
- (2) Add 60 litres of washed sand (grain size 0-2 mm, 0-3 mm or 0-4 mm) to the mixer.
- (3) Add 1 tin of POROment. Mix the powder with the sand for about 30 seconds.
- (4) Add 15 litres of cement.

The volume of water depends on the sand's moisture (earth-moist at the start of mixing). Add small quantities of the remaining water as required – please note that the mortar gets more fluid during mixing.

Now mix the material for at least 10 minutes and at most 15 minutes.

Do not overmix!

When ready, the plaster has a light-grey and creamy appearance and adheres to an overturned trowel.

Absolutely observe the prescribed mixing time.

For the final coat, we supply POROment ready-mix dry mortar (in bags of 25 kg), grain size 0-1 mm. Alternatively, commercially available, breathing mineral plasters, thin-layered, may be used. **Add half a tin of POROment to two bags of final coat plaster of 40 kg each.**

This does not impair the water vapour diffusion properties of POROment.

Our recommendations for application, whether given in writing or by word of mouth, furnished in order to support the buyer/user on the basis of our experience and the current state of the knowledge in science and practice, are non-binding and do not constitute any contractual relationship or collateral obligations under the purchase contract. They do not release the buyer from the obligation to check our products for their suitability for the envisaged purpose.

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