

# Baumit MonoPlus

## Substrate preparation installation guidelines



### STAGE 1: SUBSTRATE PREPARATION

#### For high suction substrates

- 1.** The first stage of the installation is assessing the porosity of the substrate. If the substrate is high suction, such as an aerated block, it must be primed using Baumit MultiPrimer.
- 2.** Do not use Baumit MultiPrimer undiluted. The first coat must be diluted with clean water, to a ratio of 2:1 in favour of clean water.
- 3.** Once absorbed and the surface of the walls dry, if the suction is still strong, apply a second coat of Baumit MultiPrimer at a ratio of 1:1.
- 4.** Apply the Baumit MultiPrimer to the substrate using a roller or an appropriate spraying machine.
- 5.** Allow the second coat to dry before moving to the next stage of the installation. (Weather conditions and substrate porosity dependent but, up to 24 hours)



Baumit MultiPrimer

#### For low suction substrates

- 1.** If the substrate has a very low suction rate, typically on surfaces such as engineering bricks, it must be primed using Baumit SuperPrimer.
- 2.** Baumit SuperPrimer is a ready to use product and does not require any dilution.
- 3.** Stir well with an electric whisk for approximately 3 minutes, ensuring that any aggregate which has settled at the bottom of the bucket is agitated and mixed into the primer.
- 4.** Allow the primer to stand for 5 minutes before applying to the substrate.
- 5.** Apply Baumit SuperPrimer using either brush, roller, or appropriate spraying machine.
- 6.** Ensure the substrate is completely covered and there are no areas that have been missed.
- 7.** SuperPrimer is a quick drying product and will be ready to receive the next stage within 2 hours. (Weather conditions may affect the drying time so check to make sure the primer is fully dry and not tacky.)



Baumit SuperPrimer

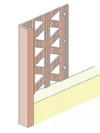
# Baumit MonoPlus

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### STAGE 2: BEADING

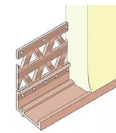
1. All beading work should be completed a minimum of 24 hours prior to the application of Baumit MonoPlus.
2. Using Baumit StarContact White, bed the beads on to the substrate and make level. Do not use Baumit MonoPlus to adhere the beads to the walls.
3. All other adhesive types such as Grip Fill, Pink Grip, Tile Adhesive etc. as well as metal fixings such as nails and staples are strictly prohibited for use within any Baumit render system.
4. Install PVC Corner Beads to all external corners, where required.
5. PVC Stop Beads must be used at all stop ends where required, such as soffits, window, and door frames, under sills, neighbouring properties, etc.
6. PVC Bellcast Beads must be used at the base of the render system to create an appropriate drip detail.
7. The Bellcast Bead must be set above the DPC line. Never bridge the DPC with Baumit MonoPlus. There must be a physical break in the render system along this line.
8. Do not finish Baumit MonoPlus down to the ground. There must be a minimum of 150mm between the ground and the base of the render system.
9. Once all the beading work is completed and all level, leave the StarContact White to cure for a minimum of 24 hours. If the contact mortar is still wet when applying the Baumit MonoPlus, there is a risk of knocking the beads out of level which will then impact the ability to achieve a flat, level finish.



**Baumit PVC Stop Bead**  
15mm (2.5m)



**Baumit PVC Corner Bead**  
15mm (2.5m)



**Baumit PVC Bellcast / Drip Bead**  
15mm (2.5m)



**Baumit PVC Movement Bead**  
15mm (2.5m)



#### Application site conditions:

Do not apply in temperatures below 5 °C. or above 30 °C.

Do not apply if frost is forecast within 24 hours from intended application.

Do not apply in wet or damp conditions.

Humidity levels should stay below 75% during the entire installation process. Humidity levels greater than 75% can greatly slow the curing process.

Ensure substrate temperature is above 5 °C and below 30 °C before application.

Do not apply in and protect the facade from direct sunlight, rain and strong winds (i.e. with scaffold nets).

In hot and/or windy weather dampen the finished work at regular intervals with a water mist sprayer to aid hydration.



#### Storage:

12 months from date of manufacture (on a pallet, in dry conditions and protected from weather)

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### STAGE 3: APPLICATION OF BAUMIT MONOPLUS

- 1.** The substrate must be sound, stable, and free from frost, dust, dirt and separating agents. The areas to be rendered must be well keyed and evenly dry.
- 2.** To ensure colour consistency, complete elevations and adjoining panels should use bags all under the same batch number, or different batch stock be mixed prior to application.
- 3.** For machine application, spray onto the prepared wall surface using a 12mm or 14mm diameter mortar nozzle, to the required thickness of 10mm (First pass) and flatten off using a feather edge tool.
- 4.** Immediately after, lay on the Baumit StarTex Fine Mesh and smooth over, using a stainless-steel trowel to allow the MonoPlus to pass through the mesh.
- 5.** Each sheet of mesh must overlap by a minimum of 100mm. Never butt up the sheets of mesh.
- 6.** Install 250x250mm patches of mesh around all openings (e.g. Windows and Doors), 200mm wide strips of mesh into all internal corners and where applicable, into all window and door head areas within a reveal.
- 7.** Once all the reinforcement work is completed and the first pass of MonoPlus is still wet, apply a second coat to an approximate thickness of 8mm.
- 8.** Using a straight edge or smoothing trowel, level out immediately, ensuring the wall is flat and level.
- 9.** The total thickness should be 18mm.
- 10.** For thicknesses up to 28mm, applying in 2 passes wet on wet, allowing approximately 2 hours between passes.
- 11.** Allow to set (approx. 3-24 hours dependent on the substrate and drying conditions) before scratching the surface to give the desired final finish.
- 12.** Scratching should be undertaken when the render is almost set, but not hardened. Actual timing is dependent on the weather conditions and substrate.
- 13.** The surface is ready for scratching when a thumb impression cannot be made and when the render scrapes easily from the surface without sticking to the scratching tool.
- 14.** Scratching should be completed in a tight circular motion, and the surface brushed down with a soft brush upon completion.
- 15.** To ensure colour consistency, all surfaces should be scratch finished at the same stage of render readiness.
- 16.** Use a consistent application process to ensure an even finish.
- 17.** A minimum 15mm scratched finish should be achieved.
- 18.** When applied, the MonoPlus product is a darker shade than the intended finished colour. This will lighten over a number of weeks to the desired colour; the same colour as the dry product within the bag. This is normal for a cementitious product and which is to be an expected characteristic of MonoPlus. The speed of lightening to the desired colour is entirely dependent on finish, substrate, temperature, and humidity levels at the time of application.



Baumit MonoPlus 25kg

For additional support:

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