Baumit MonoPlus

Through coloured one coat scratch render

- **Versatility; suitable for a range of finishes**
- **Quality performance; easy to mix, apply and finish**
- **Consistent 1.2mm fine grain size for fine finish**

Product Overview

Specifically formulated through coloured, one coat scratch render suitable for a variety of finish options including Monocouche, Rough Cast, Wet Dash and as a Dry Dash receiver.
Available in a range of key colour options, Baumit MonoPlus offers a low maintenance, weather resistant and highly durable render system for new build and renovation projects, for application onto masonry substrates.

Composition

White cement, hydrated lime, limestone and binders and additives for ease of mixing and application.

Properties

- Easy mixing, application
- Weather resistant for a durable finish
- Suitable for a range of finishes
- Hand or machine application
- Algae resistant
- Available in a range of Standard Colours
- 5 °C to 30 °C application temperature range
- Water repellant with a low pollution risk
- 1 bag covers approximately 1m²

Application

Mix to a smooth creamy consistency using 4 - 6.5 litres of clean water dependent on finish required. To ensure colour consistency, full elevations and adjoining panels should use stock from the same manufacturing batch, or different batch stock be mixed prior to use or before use.
See separate application instructions for the different finishes

Technical Data

Reaction to fire:	A1
Onset of solidification:	from 3 h
End of solidification:	from 42 days
Colour:	Choice of 6 Standard Colours
Strength category:	CS II according to DIN EN 998-1
Fire-resistance class:	A1
Min. coating thickness:	15 mm
Max. layer thickness:	28 mm (in 2 passes (Wet on Wet))
Open time:	30 min.
Bulk density:	1.5 kg/l
sd-value:	0.7 mm
µ-value:	≤ 25
Water absorption:	Wc2
Thermal conductivity:	≤ 0.890 W/mK

Min. application thickness	
Max. application thickness	28 mm
yield	app. 1 m²/25kg
Grain size	app. 1.2 mm
Water requirement	from 4 l/25kg to 6.5 l/25kg

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Delivery Format	42 bags on a pallet
Storage	Store in dry conditions and protected on pallets for up to 12 months.
Quality Assurance	Internal quality assurance is provided by the manufacturer's plant.
Classification according to the Chemicals Act	Gather the detailed classification from the Safety Data Sheet (according article 31 and annex II of the regulation No. 1907/2006 of the European Parliament and –Council from 18.12.2006) at www.baumit.com or request the Safety Data Sheet at the respective production plant.
Substrate	Suitable for use with most brick and block masonry wall construction for New Build and Renovation projects
Substrate pre-treatment	The substrate must dry, stable and free from frost, dust, dirt and separating agents. The areas to be rendered must be well keyed and evenly dry. High suction substrates should be stabilised with a suitable Baumit primer prior to application. Low suction substrates should be treated with a suitable Baumit primer prior to application. Mixed substrates can be pre-treated with StarContact and StarTex mesh as a reinforcement coat or pre-treated with a Baumit VS 60 splatter dash coat to equalise suction prior to application

Processing

Monocouche Scratched Finish application instructions
The substrate must be dry, stable and free from frost, dust, dirt and separating agents. The areas to be rendered must be well keyed and evenly dry. For machine application, spray onto the prepared wall surface using a 12mm or 14mm diameter mortar nozzle, to the required thickness (up to 18-20mm). NB we recommend MonoTex Mesh is embedded within the top 3rd of the finished surface (e.g. at a 15mm scratched finished, the mesh should be embedded at around 10mm). Using a straight edge or smoothing trowel, level out immediately. For thicknesses up to 28mm, applying in 2 passes wet on wet, allowing approximately 2 hours between passes. Allow to set (approx 3-24 hours dependent on the substrate and drying conditions) before scratching the surface to give the desired final finish. Scratching should be undertaken when the render is almost set, but not hardened. Actual timing is dependent on the weather conditions and substrate. 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. Scratching should be completed in a tight circular motion, and the surface brushed down with a soft brush upon completion. To ensure colour consistency, all surfaces should be scratch finished at the same stage of render readiness. Use a consistent application process to ensure an even finish. A minimum 15mm scratched finish should be achieved.

Rough Cast Finish application instructions
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. Spray onto the prepared wall surface using a 12mm or 14mm diameter mortar nozzle, to a thickness of between 8-10mm in one application. Using a straight edge or smoothing trowel, level out immediately. When suitably hard but still green, apply a second textured pass up to 15mm thick, giving an overall maximum thickness of 25mm.

Dry Dash Finish application instructions
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. For machine application, spray onto the prepared wall surface using a 12mm or 14mm diameter mortar nozzle, to a thickness of between 8-10mm in one application. Using a straight edge or smoothing trowel, level out immediately. When the render coat is still green, adopting a consistent motion, hurl the desired, washed and clean aggregate onto the rendered surface. We recommend using and aggregate size between 6-10mm. To ensure a good bond between the aggregate and render, lightly tamper the aggregate, using a suitable plastic or wooden trowel upon completion.

Wet Dash Finish application instructions
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. For hand or machine application. Mix the render as per Monocouche instructions and add the desired aggregate to the wet mix. We recommend using and aggregate size between 6-10mm. Hurl the Wet Dash mix to the wall at a 10 - 15mm thickness (max).

Finished colour
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.

Notes and General Information	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.

Written and oral application technology recommendations provided by us to assist the seller/processor are based on our experience and reflect the current state of the art in science and practical application know-how. However, it is understood that these recommendations are non-binding. They do not create any legal relationship or any ancillary obligations in connection with the sale contract. They do not release the buyer from its obligation to verify the suitability to our products for the intended purpose or use by itself.

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