



# MONOCOUCHE

# Technical Datasheet

## Monocouche® XF

### APPLICATION METHOD

Applied directly on to 7newton dense concrete block – As per block work manufacturers recommendations for block work construction, allowing for expansion joints and bed joint reinforcement. As per our technical guide download.

Where applied on to other substrates materials, such as traditional house brick, cement board and far face concrete, it is advised to prepare the substrate using a polymer modified base coat. Please contact [info@monocouche.co.uk](mailto:info@monocouche.co.uk) for further information and advice.

### STORAGE AND PACKING

25 kg polypropylene reinforced Kraft bags, 48 bags per pallets 1.2 tonne - shrink covered pallets.

12 months from the date of manufacture if stored in unopened original package; under dry, frost free conditions.

### SPECIAL SUGGESTIONS

The application surface/facade should be level and plumb to enable the Monocouche® to be applied at the same thickness 18-20mm over the entire facade. The water/powder mixture quantity must be the same for the whole project. Preferably, machine mixed using PFT, M.Tec or Putmezster plastering machine.

The surface must be clean of dust, paint and any adherence reducing materials. All the holes must be filled and repairs must be made with appropriate product before application of the Monocouche® XF. Fibre mesh should be used at the intersection of different materials and at points where movement can occur, such as openings, window & doors.

No other materials (lime, cement, gypsum etc.) should be added to the prepared mortar – the product is factory batched, pre blended, only requiring water.

It is recommended the application is undertaken between +5°C & +40°C. For temperatures over +40°C please consult our technical department: [info@monocouche.co.uk](mailto:info@monocouche.co.uk). Monocouche® XF should be protected against quick drying in windy weather conditions and should not be applied in the rain. As it is a cement based product, avoid contact with skin and eyes, wash immediately with fresh clean water. Wear eye protection and gloves at all times. In case of emergency consult your doctor or local A&E department. For detailed information please contact [info@monocouche.co.uk](mailto:info@monocouche.co.uk).

### APPLICATION RULES

1. Monocouche® XF, is mixed and sprayed on to the facade with ready mix plaster mixing machine.
2. Monocouche® XF is applied in "one coat" up to 20mm, water ratio has to be kept constant until the end of the application.
3. Levelling & ruling off directly after the spray application.
4. The render must be levelled with straight edge/derby.
5. Depending on weather conditions, when the surface is hard enough, it is scraped with spike scratcher. The timing to start this process is when the Material does not block the nails of the scrapping tool.
6. During summer months, March – September, application is best achieved on the same day. During winter months, the application is made on different days and ideally under the same weather conditions to prevent colour variance.
7. We strongly recommend only approved applicators apply Monocouche Render Products. For a list of approved applicators email: [info@monocouche.co.uk](mailto:info@monocouche.co.uk).

### CURING

During warmer months and in hot climates, it's important to wet the substrate prior to application, on completion of the application, in temperatures in excess of +30°C the product must be cured for 3 days 4 times per day. This process is critical to ensure the longevity of the product against cracking and de bonding.

### CONSUMPTION

15mm plaster thickness, the consumption is approximately 25 kg/m2. This allows for waste.

Monocouche® XF Product information

### TECHNICAL DATA

Dry Bulk Density, kg/m<sup>3</sup> 1400 ± 100  
 Wet Bulk Density, kg/m<sup>3</sup> 1600 ± 150  
 Compressive Strength, N/mm<sup>2</sup> > 2,5  
 Flexural Strength, N/mm<sup>2</sup> > 1  
 Adhesion, N/mm<sup>2</sup> > 0,3  
 Elasticity Modulus, N/mm<sup>2</sup> 3600 ± 100  
 (W/mK) (25.3 °C) 0.368

### REFERENCE CERTIFICATE

The information here above were obtained in laboratory conditions. If more information is needed, please consult to the technical department. Monocouche® holds the rights to the above information. Problems arising from the wrong application are not in the responsibility of Monocouche Render Systems Limited.

ALWAYS USE AN APPROVED APPLICATOR.

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## MONOCOUCHE

RENDER SYSTEMS



ACTUAL BAG IDENTIFICATION

