

TECHNICAL DATA SHEET

MONOCOUCHE XF
Through colour Cement based render system

Monobase XF

MonoBase XF is our cement based, breathable high polymer base coat manufactured for use in conjunction with the Monocouche XF render system. MonoBase XF is used to improve the key of smoother masonry surfaces and control and equalise the suction across a mixture of stable masonry substrates.

The addition of a MonoBase XF and MonoMesh XF layer provides greater resistance to movement within the substrate and increases protection against water penetration and weathering.



Masonry Application - Best Practice

Monocouche XF can be installed onto 7kn general purpose concrete block, lighter weight and lessor density blockwork, brickwork, stonework and concrete with the support of a layer of MonoBase XF polymer modified base coat with MonoMesh XF imbedded throughout to prepare in what we advise to be best practice in all scenarios.

This comprehensive approach provides a consistent base layer without impurity that controls and equalises suction onto which the through coloured Monocouche XF coating is applied thus going as far as possible to protect the render system against issues which may be caused due to the condition and behaviour of the masonry substrate

STORAGE AND PACKING

25kg polypropylene reinforced Kraft bags.
40 bags per pallet weighing 1 tonne.

LIFE SPAN IN STORAGE

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

MATERIAL COVERAGE GUIDANCE

A 25kg bag will cover up to 4m² at 4mm thickness

MAXIMUM THICKNESS

MonoBase XF should be applied to a maximum thickness of 10mm, if further layers are required stainless steel EML should be considered to support the weight of the material.

Please seek technical advice regarding additional thickness.

MASONRY SUBSTRATE CONDITION

Masonry substrates should be stable, clean, suitably dry and free from dust and loose material.

Newly constructed masonry should be allowed to dry sufficiently before render system install.

Direct contact with the masonry should be made without contamination.

Wiring and pipework for external accessories should be chased into the masonry and placed in a suitable conduit.

Do not apply to gypsum plaster or painted surfaces.

MONOCOUCHE XF & RENDER CARRIER BOARD

Monocouche XF will bond successfully to render carrier boards with the support of MonoBase XF and MonoMesh XF however there is an unknown risk of movement within the supporting timber or steel framework which may cause deflection then forcing the render to crack and for this reason Monocouche XF is not guaranteed in these applications and a thin coat silicone render should be considered.

WEATHER CONDITIONS DURING INSTALL

Do not apply in temperatures below 5c and above 30c.

Do not apply immediately before a frost or heavy rain.

Precautions should be taken to protect the material from heavy and continuous wind during curing.

MIXING OF MATERIAL

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

SAFETY INFORMATION

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 when installing with the addition of a suitable face fitted mask when mixing. In case of emergency consult your doctor or local A&E department.

COMPREHENSIVE TECHNICAL SUPPORT

Monocouche Render Systems Ltd

Contact: 0330 111 1467 / info@monocouche.co.uk / www.monocouche.co.uk

Comprehensive technical information and support can be found at www.monocouche.co.uk

It is advised that Monocouche Render Systems Ltd is consulted to gain a complete understanding of the system prior to commencement of works at site.

SYSTEM SAMPLES

Samples: Available upon request
www.monocouche.co.uk

INSTALLATION GUIDANCE

1. MonoBase XF should be mixed consistently and applied on to the elevation by hand or with ready mix plaster mixing machine.
2. MonoBase XF can be applied in one coat up to 5mm thick, if you wish to increase the thickness to 10mm a second 5mm layer should be added when the first coat is suitably cured.
3. The water ratio should be kept constant throughout the mixing and application process.
4. MonoMesh XF should be imbedded into the MonoBase XF layer whilst wet ensuring that all mesh is below the surface.
5. The material can then be keyed for grip using a scratch/key comb or heavy piled roller again whilst wet.
6. Once suitably dry the Monocouche XF system can then be applied.
7. Monocouche XF can be applied to green mostly cured MonoBase XF however the wetter the base coat the longer the Monocouche XF will take to cure and we suggest that MonoBase XF should be allowed to dry at least overnight before the Monocouche XF is added.
8. We strongly recommend only approved applicators apply Monocouche Render Systems products.

For a list of approved applicators email: info@monocouche.co.uk.

TECHNICAL DATA

Product: MonoBase XF

2. Manufacturer:

Monocouche Render Systems Ltd with address in:

Unit B7, Phoenix Industrial Estate

Rosslyn Crescent, Harrow HA1 2SP. United Kingdom

3. Intended use:

General purpose rendering and plastering mortar MonoBase XF, type GP for exterior rendering with application by hand or with a spray machine, waterproof to rain.

4. Evaluation System: 4

5. Declared performances :

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	A1	EN-998-1:2018
Water absorption	W2	
Water vapour permeability	$\mu \leq 15$	
Thermal conductivity ($\lambda_{10, DRY}$)	0,61 (tabulated)	
Adhesion after climatic cycles	$\geq 0,3$ N/mm ² failure A/B	
Durability	Evaluation based on provisions valid in the intended place of use of the mortar	
Hazardous substances:	See safety datasheet	

The performances of the product identified in point 1 comply with the performance declared in point 5.

This declaration of features is issued under the sole responsibility of manufacturer stated in point 2.

The information here above was obtained in laboratory conditions. If more information is needed, please consult to the technical

department prior to commencing the installation. Monocouche Render Systems holds the rights to

the above information. Issues arising from the

incorrect application of the Monocouche XF system are not the responsibility of Monocouche Render Systems Limited.

ALWAYS USE AN APPROVED APPLICATOR.