

MonoSoft®

(bi-component)

Lime-based coating

TDS
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Manufacturer	CLAYLIME sprl Avenue Monplaisir, 77 BE 1030 BRUSSELS Belgium
Composition and properties	Complete, microporous and breathable system, composed of a dry mix of rock powders, hydrated lime and alumino-silicates which is mixed with a VOC-free JES010 polymer binder and a natural pigment selected from the ClayLime range.
Pigments	MonoSoft's 30-colour chart offers natural pigments that have been tested and approved by ClayLime; the pigment packaging corresponds to the quantity needed for the 5 kg or 1kg MonoSoft kits. Since the mineral and natural pigments can vary slightly depending on production, the recommendation for larger surfaces is to mix together enough kits and pigments in order to avoid any colour difference during application.
Destination	Decorative coating finish for interior floors, interior and walls, bathrooms, furniture and work-tops. Suitable for homes, hotels, showrooms, shops, restaurants...
Packaging	Kit for +/-12 m ² : 5 kg powder + 2 litres of JES010 polymer Mini-Kit for +/- 3 m ² : 1kg of powder + 0.25 litres of JES010 polymer
Characteristics	Applied in 1 layer of +/- 1.5 mm on any surface that is sturdy, smooth, clean, dry, grease-free, without cracks or vibrations, prepared and protected appropriately according to its purpose (see below). Claystone is not cement-based and does not crack as long as the support and application meet the required criteria.
Classification	Classification M1 on M1 support, M0 on M0 support
Behaviour, appearance	Rheology-controlled coating with high-adhesion and resistance features + JES010 polymer binder to be mixed with the same quantity of water. White powder + creamy white liquid
Density	0.80 kg/L
VOC	Not applicable
Dosage and Yield	About 350gr/m ² of MonoSoft powder and +/- 0.165 L of undiluted JES010/kg. Equivalent to +/- 12m ² /kit of 5 kg + 2 litres. The yield can vary depending on the application method and climatic conditions.
Drying time (at 20°C and 65% RH)	3 hours minimum in the open air; drying time reduces depending on the ambient temperature, the ideal ambient temperature for application being 10-20°C.
Storage	12 months in unopened, original packaging Store in a minimum temperature of +5°C, at all times away from frost, humidity and heat
Equipment	Rounded and flexible stainless steel plasterer's trowel, plastering knife, sponge, electric mixer
Application conditions	In conformity with DTU 59.1

Surface preparation

The support or surface needs to be solid, clean, completely dry, stable and free of vibrations, cracks, dust, grease and traces of any substance that might prevent the coating from adhering properly.

The surface needs to be completely **sturdy and unable to vibrate**.

The surface needs to absorb evenly.

The materials used **for shower surfaces and bath surrounds must meet the standards of resistance and sealing for these types of applications.** The **waterproofness** of the wall supports must be ensured and guaranteed by a professional **BEFORE the application** of the *MonoSoft* coating. **Under no circumstances should the thickness of the coating be in direct contact with water**, especially at the joints, corners or the drain.

Gently clean the surfaces to remove any mould or parts that are less adhesive or cohesive using mechanical washing or abrasion.

Surfaces that are subject to vibrations, risks of cracking, etc. must first be coated with a layer of glue containing a PVC mesh, itself coated with a second thin layer of tile adhesive.

Plaster- or anhydrite-based chalky surfaces are to first be treated with a fixing primer before applying the adhesive primer *PrimerPro* from ClayLime.

Under no circumstances can the MonoSoft coating be used to fill or cover a surface imperfection. On tiled surfaces, first apply smoothing compound or fibrous screed followed by ClayLime's tiling primer *PrimerPro Special tiles*.

The MonoSoft coating takes on the mechanical characteristics of the surface it is applied on.

Coating preparation

Dry mix the pigment and powder, ensuring they are thoroughly mixed together – if necessary decant from one bucket to another.

Dilute the JES010 liquid with an equal amount of fresh water, then gently mix together.

Do not mix all the liquid with all the powder, instead gradually add the diluted JES010 into part of the powder blending with an electric mixer until you get a thick and smooth paste.

Leave to stand for 5 min. then mix vigorously for 2 min.

Always make and test a sample including sealer for approval before beginning the work.

Also see detailed instructions for use

Application

Apply the plaster obtained with very slightly inclined trowel, without pulling it and with small random movements, in a layer of +/- 1.5 mm. Major imperfections or effects can be corrected. Never exceed 2mm thick.

For large, unbroken areas, it is recommended to prepare enough material to cover the entire surface so as to avoid any variation in colour if there are different applications.

Drying: leave to dry completely, ensuring there is good air circulation (between 8 and 12 hours depending on climatic conditions). Leave to dry right through before protecting. Do not cover while it is drying. Do not turn on underfloor heating.

Protection

Never apply the protective cover if the surface is not completely dry.

Wall surfaces: protect with 2 layers of the Puwater based varnish *PerfectSeal* from ClayLime.

Floors, work-tops and damp places: 3 layers of the PU varnish *PerfectSeal* from ClayLime.

Maintenance

MonoSoft is a natural coating. It therefore needs to be treated as such. Use only natural, non-corrosive, alcohol-free and non-acidic cleaning products.

Health and safety

Product not classified as dangerous. Read the safety data sheet (MSDS).

The data on this sheet is valid for unblended, pure products. The VOC value indicated represents the value of the ready-to-use product, after colouring and dilution with the products from our range. Under no circumstances can we be held liable for any mixtures made with other commercial products that we do not know the real VOC level of.

This technical sheet aims to inform our customers of our product's properties. The information given is based on our current knowledge. We ask our customers to check the suitability of the product for the nature and state of surfaces and to conduct sample tests. ClayLime cannot under any circumstances be held liable for poor preparation, application or maintenance of its coating or protection products resulting in any damage to or non-conforming appearance of the coating. It is our customers' responsibility to check whether or not this sheet has been replaced or amended with a more recent version.