

## Claystone<sup>®</sup>

(bi-component)

Clay-based coating

TDS  
01 2018

<b>Manufacturer</b>	<b>CLAYLIME sprl</b> Avenue Monplaisir, 77 BE 1030 BRUSSELS Belgium
<b>Composition and properties</b>	Complete, microporous and breathable system, composed of a dry mix of clays, carbonates, silicates, aluminates and 0.5 mm quartz which is mixed with a VOC-free JES05 polymer binder and a natural pigment selected from the ClayLime range.
<b>Pigments</b>	Claystone'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 15 kg or 3.75 kg Claystone 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.
<b>Destination</b>	Decorative coating finish for interior floors, interior and exterior walls, bathrooms, furniture and work-tops. Suitable for homes, hotels, shopping centres, showrooms, shops, restaurants...
<b>Packaging</b>	Kit for 8 to 10 m <sup>2</sup> : 15 kg powder + 3 litres of JES05 polymer Mini-Kit for 2 to 2.5 m <sup>2</sup> : 3.75 kg of powder + 0.75 litres of JES05 polymer
<b>Characteristics</b>	Applied in 2 layers of +/- 1.5 mm each 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). <b>Claystone is not cement-based and does not crack as long as the support and application meet the required criteria.</b>
<b>Classification</b>	Family 1 - Class 7b2 - Fire classification M0
<b>Behaviour, appearance</b>	Rheology-controlled coating with high-adhesion and high-resistance features + JES05 polymer binder <b>to be mixed with the same quantity of water.</b> White powder + creamy white liquid
<b>Density</b>	1.1 kg/L
<b>VOC</b>	Not applicable
<b>Dosage and Yield</b>	About 1.65 kg/m <sup>2</sup> and +/- 0.2 L of undiluted JES05/kg of Claystone powder. Equivalent to between 8 and 10 m <sup>2</sup> /kit of 15 kg + 3 litres. The yield can vary depending on the application method and climatic conditions.
<b>Drying time</b> (at 20°C and 65% RH)	8 hours minimum in the open air; drying time reduces depending on the ambient temperature, the ideal ambient temperature for application being 10-20°C.
<b>Storage</b>	12 months in unopened, original packaging Store in a minimum temperature of +5°C, at all times away from frost, humidity and heat
<b>Equipment</b>	Brush, rounded stainless steel plasterer's trowel, plastering knife, sponge
<b>Application conditions</b>	In conformity with DTU 26.2

<b>Surface preparation</b>	<p><b>The support or surface needs to be solid, smooth, clean, completely dry, stable and free of vibrations, cracks, dust, grease and traces of any substance that might prevent the coating from adhering properly.</b></p> <p>The surface needs to be completely <b>sturdy and unable to vibrate.</b></p> <p>Gently clean the surfaces to remove any mould or parts that are less adhesive or cohesive using mechanical washing or abrasion.</p> <p>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.</p> <p>Plaster- or anhydrite-based chalky surfaces are to first be treated with a fixing primer before applying the adhesive primer <i>PrimerPro</i> from ClayLime.</p> <p><b>Under no circumstances can the Claystone coating be used to fill or cover a surface imperfection.</b> On tiled surfaces, first apply smoothing compound or fibrous screed followed by ClayLime's tiling primer <i>PrimerPro Special carrelage</i>.</p> <p><b>The Claystone coating takes on the mechanical characteristics of the surface it is applied on.</b></p>
<b>Coating preparation</b>	<p>Dry mix the pigment and powder, ensuring they are thoroughly mixed together – if necessary decant from one bucket to another.</p> <p>Dilute the JES05 liquid with an equal amount of fresh water, then gently mix together.</p> <p><b>Do not mix all the liquid with all the powder,</b> instead gradually add the diluted JES05 into part of the powder blending with an electric mixer until you get a thick paste.</p> <p>Leave to stand for 15 min. then mix vigorously for 2 min.</p> <p><b>Always make and test a sample including sealer for approval before beginning the work.</b></p> <p><b>See detailed instructions for use</b></p>
<b>Application</b>	<p><b>1st layer:</b> apply the coating produced using a trowel, spreading it to a layer of +/- 1.5 mm, smoothing out any major imperfections.</p> <p>Leave to dry until no trace is left on fingertips.</p> <p><b>2nd layer:</b> thin down the remaining preparation with a bit of diluted liquid.</p> <p>Apply a very thin layer and smooth out immediately using the trowel on a slight angle.</p> <p>For a 2nd layer on a completely dry surface, spray the 1st layer with water to moisten it.</p> <p>The 2nd layer can also be applied in a very dilute state by using an acrylic roller: this therefore needs to then be smoothed out using the trowel.</p> <p>For large, unbroken areas, it is vital to prepare enough material to cover the entire surface so as to avoid any variation in colour if there are different applications.</p> <p><b>Drying:</b> leave to dry completely, ensuring there is good air circulation (between 12 and 24 hours depending on climatic conditions). Leave to dry right through before sanding and protecting. Do not cover while it is drying. Do not turn on underfloor heating.</p> <p><b>On floors a light sanding (150-grit) after complete drying is recommended to get a truly smooth surface and guarantee effective protection.</b></p>
<b>Protection</b>	<p><b>Never apply the protective cover if the surface is not completely dry.</b></p> <p>Wall surfaces: protect with 2 to 3 layers of <i>PerfectProtect</i> from ClayLime (water-repellent-oil repellent)</p> <p>Floors, work-tops and damp places: 3 layers of the PU varnish <i>PerfectSealNew</i> from ClayLime.</p>
<b>Maintenance</b>	<p><b>Claystone is a natural coating. It therefore needs to be treated as such. Use only natural, non-corrosive, alcohol-free and non-acidic cleaning products.</b></p>
<b>Health and safety</b>	<p>Product not classified as dangerous. Read the safety data sheet (MSDS).</p>

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.