

With any external building product, application in the winter months can cause issues. The UK encounters months of adverse weather throughout this time of year which often adds a range of complexities from extended periods of high humidity to below 5 degree and sub-zero temperatures.

PREPARATION

It is important to store products off the ground and in a place where there is no risk of frost attack. Setting out/pre-loading scaffolding and work areas of products, in particular Silicone and Acrylic renders (wet mix) must only be completed immediately before applying the products rather than the evening before to protect the products from the elements.

DRYING

Aesthetic issues can occur in finishes of all types due to different rates of drying between areas in shade versus those in the sun. For example, scaffolding can create shadow lines where the finish dries more slowly than adjacent areas. To help prevent this, the exterior should be sheeted to limit the uneven sun exposure, protect from adverse weather and different drying rates which can result in colour related issues.

DRYING/CURING TIMES

Always take into account that setting/curing times in adverse weather will be extended; in particular when executing Render Only works where the carrying substrate is likely to of been exposed to the elements for prolonged periods of time. Elevation orientation must also be considered with northerly facing elevations often being exposed to high levels of moisture for weeks or even months at a time with little or no exposure to sunlight.

BASE COATS, MONOCOUCHE & MINERAL THIN COAT RENDER

All of these products require water to allow the binder to hydrate efficiently as well as +5°C temperatures and below 85% relative humidity. During the winter months, water in the render is lost to evaporation at a much slower rate in addition to a slower absorption process into the substrate. The substrate must not be frozen, and material should not be applied if there is a risk of frost within 24 hours. The minimum application temperature is 5°C for all Monocouche renders.

ECOREND QS1 - QUICK SET MONOCOUCHE ACCELERATOR

This is a liquid accelerator solution for Ecorend Monocouche Through-Coloured Render Systems to speed up the time to scrape during colder application periods.

QS1 directly replaces a proportion of the product gauging water and, if added at the correct dose, it will achieve a 20°C scrape time when working at 5°C. The accelerator is colourless and has no effect on the appearance of the finished product and will accelerate the initial set time at 5°C working temperature to equal that of the scrape time of a

Monocouche product during the summer months at 20°C.

Ideal for use when hand mixing or using a render pump (i.e. with separate mixing and pumping chambers) or a metering system for accelerators. If using a water butt, measure water out, add QS1 to the water and mix thoroughly.

NOTE: The product is NOT an antifreeze. Always ensure that scraping is continued at the same time around the building to ensure colour consistency.

SILICONE & ACRYLIC THIN COAT RENDER SYSTEMS

At the time of application temperatures of +5°C and below 85% relative humidity must be in place at the time of application and for at least 48 hours following this period to allow the top coat to cure. It is critical that a base coat and primer coats are fully cured prior to applying the top coat as this will have a negative effect on the setting times as the water in the top coat struggles to evaporate into air that is saturated by high humidity. Any trapped moisture in the base coat and render combined with the slow drying conditions and the orientation of the walls in winter drying conditions can often lead to 'Wash off' of the top coat; even days after being applied if it has not be exposed to suitable humidity and UV light exposure which delays the renders capability to begin curing.

NOTE

These details are intended to provide guidance only. For a full product specification please contact our Technical Team.