

Lite S1 White/Grey

premium light weight tile adhesive

C2S1TE

High performance, deformable lightweight, cementitious adhesive with no vertical slip and extended open time. Easy to apply by trowel with high back-buttering capacities for ceramic, porcelain and stone tiles



Uses: **Internal / External**
 Open Time: **30 minutes**
 Adjustment Time: **<45 minutes**
 Before Grouting: **Walls - 6 Hrs**
Floors - 24 hrs
 Light foot traffic: **24 Hours**
 Water: **6.7 - 7.4 L**
 per 13.5Kg bag
 Coverage: **6m² @ 10mm**
 per 13.5Kg bag **Notched Trowel**
 Clean Up: **Water**
 Application Temp: **5-40°C**
 VOC Rating: **<1g/L (US RULE 1168)**

- Internal / External
- Domestic / Commercial
- Large format tiles
- Superior anti-slip/slump
- Substrates concrete, render, screed, fibre cement, plasterboard
- Flexible
- VOC <1g/L

PREPARATION

All substrates must be level, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents and from damp rising. It is good practice to dampen highly absorbent concrete substrates or apply a coat of Keratrade or Kerakoll porous primer. Most non-porous surfaces may be primed with Keratrade or Kerakoll Non-porous Primer

MIXING

- 13.5kg powder mixes into 6.7 to 7.4 litres of water
1. Add water to bucket
 2. Mix powder into water with mechanical stirring
 3. Do not mix by hand. Use a low speed mixer (300rpm). Use a drill with suitable mixing paddle designed for the task
 4. Mix until smooth
 5. Allow to stand for 2 minutes before briefly remixing
 6. Apply to the prepared substrate using a notched trowel. Note: Consistency may appear thicker than standard adhesives but will still be smooth and easy to trowel. When mixed correctly mixed product will stick and hold form on the trowel without dropping off. If not, mix more powder to produce a stiffer mix

APPLICATION

To guarantee maximum adhesion it is necessary to apply a layer of adhesive sufficient to cover the entire back of the coating material. Check samples to make sure the adhesive has been transferred to the back of the material. Use a 6mm notch for tiles up to 150x150mm, a 10mm notch for up to 250x250mm and a 12mm notch for 300x300mm tiles. Tiles 400x400mm and larger should be back-buttered in addition to using a 12mm notched trowel

- Press tiles firmly into adhesive before it skins
- Apply only up to 1m² at a time to avoid skinning
- If skinned, re-spread to expose "wet" adhesive
- Check that enough of the substrate and tile back are in contact with adhesive (usually at least 80% but higher for large format tiles)
- Discard any material that has hardened before use
- Allow adhesive to harden adequately before grouting

The open time for Lite S1 is at least 30 minutes under normal temperature and humidity conditions. When environmental conditions are not ideal (direct sunlight, dry wind, high temperatures), or if the substrate is particularly absorbent, open time may be reduced to only a few minutes. Therefore, check constantly the adhesive to make sure a layer of dry skin does not form on its surface, and that it is still fresh. If a layer of dry skin forms, run the notched trowel over the adhesive again to re-activate open time, or, if the adhesive has already start to set, remove it and spread a new layer of fresh adhesive.

AS ISO 13007 CLASSIFICATION

- C2** - Improved cementitious adhesive
- S1** - Deformable (flexible)
- E** - Extended open time
- T** - Slip-resistant

Do not wet the surface of the adhesive if a layer of skin forms: water does not dissolve the skin and impedes a good bond. Final adjustment of the tiles must be carried out within 45 minutes of application.

PRE-TREATMENT OF SPECIAL SUBSTRATES

Gypsum-based plasters/renders and anhydrite screeds: Keratrade or Kerakoll porous primer
 Please see the technical data sheet on how to use the Primer properly.

MATERIALS AND SPECIAL SUBSTRATES

Marble and natural stone
 Materials that are subject to deformation or staining due to water absorption require a quick-setting or reactive adhesive.

For this reason it is essential to carry out a test on a sample of the material. In the absence of specific indications from the manufacturer, natural stone with reinforcement layers, in the form of resin coating, polymer mesh, matting, etc. or treatments (for example damp courses, etc.) applied on the laying surface must be tested in advance to ensure they are compatible with the adhesive. Check for the presence of any really consistent traces of rock dust created during cutting, and remove them if found.

Waterproofing products

Adherent and floating polymer sheets, liquid bitumen and tar-based sheets or membranes require application of a laying screed on top.

Suitable for use over Keratrade and Kerakoll membranes

Item Code: **S1GREY-13.5KG**

Item Code: **S1WHITE-13.5KG**

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