

Technical Bulletin – Sadlerstone Cladding

Sadlerstone smooth and textured tiles have been used in a variety of cladding applications, both internal and external. They provide a beautiful, durable, natural looking surface suitable for cladding architectural features or for whole buildings. The large range of colours and sizes can complement various aesthetic and structural requirements. When properly sealed, Sadlerstone tiles have excellent freeze/thaw characteristics.

As each cladding job has its own special considerations for wind loading, type and bonding strength of the substrate, movement and settling etc. Sadlerstone do not retain any drawings detailing fixing methods for cladding tiles, however the most common methods are adhesive and mechanical fixing. Local regulations and design intent generally dictate which of the above are used. Sadlerstone suggests the following:

Adhesive Fixing

Contact your local Mapei representative to develop a Short Form Specification to suit your needs.

Mechanical Fixing

Consult with your project engineer. Sadlerstone has detailed product test results available for determining product suitability for most mechanical fixing systems.

Sadlerstone requires a mechanical cleaning and sealing process. This service is recommended, and offered by Sadlerstone at a cost of AU\$50/m² or (US\$4/SQF). By selecting to have your Sadlerstone consignment your tiles will arrive pre-finished ex-factory. Lead-time will vary depending on the quantity ordered.

Sadlerstone is also available to drill our façade panels to meet the requirements of the Keil™ Anchor system. Cost for drilling is AU\$5/hole.

A note on external cladding with smooth tiles: Over time the weather can tend to dull the surface of most polished natural stones used externally. Surface blooming (micro-efflorescence), water spotting and streaking may also occur. While not very noticeable on light coloured surfaces, darker coloured Sadlerstone tiles may show some of these characteristics. Sadlerstone material will age attractively (not unlike natural copper or zinc cladding as it ages) and weathering early in its life should be regarded as an attractive characteristic. A quality penetrating sealer (such as Dry-Treat Stain-Proof) can minimise weathering and icing. A surface sealer can prevent dulling and surface bloom. The material is suited to anti-graffiti sealers.