

ADHESIVE FIXING OF STACKSTONE, STONE WALL CLADDING AND SHEETED STONE PANELS

(As recommended by Davco Construction Materials Pty Limited)

1. Fixing over sand/cement render, concrete or blockwork;

Use Davco SE-7 with the addition of Davelastic. In the gauging mix at a ratio of 1 part water to 1 part Davelastic. A 20kg bag of SE-7 would require approximately 6.5 litres of gauging mix. The system is suitable for internal and external applications.

The render should be primed with Davco Ultraprime prior to the application of the adhesive. Areas, which have been primed, should be tiled within three hours.

If the installation is an internal application Davco SMP 2010 can be used as an alternative adhesive to SE-7/Davelastic system.

Adhesive application recommendation:

Because it is imperative to get close to 100% adhesive contact between the stone and the substrate it will be necessary to use a 12mm-notched trowel to spread the adhesive. If the stone is a sheeted product and the back of the stone is not level, it may be necessary to butter adhesive onto the back of the sheet to get adequate coverage.

2. Tiling over fibre cement sheeting;

Firstly it must be ascertained from the sheet manufacturer that the product is suitable substrate for the direct fixing of stone products. The sheeting may require extra fasteners, due to the weight of the stone.

Once again the same system, Davco SE-7 with Davelastic would be suitable. It should be noted that certain sheet manufacturers require extra placement of expansion joints, which should be taken into account at the design stage.

As with the previous recommendation for internal application SMP2010 could also be used.

PRECAUTIONS

Due to the weight of the stone it may be necessary to physically support some applications until the adhesive has set.

If the product has heavier stones in a certain layers, this is normally recognised as being the base of the tile for installation purposes.

Residual dust should also be removed with a damp sponge from rear of the stone.

If the rear reinforcing mesh does not allow penetration of the adhesive it may be necessary to remove some of the mesh.

Dark stone absorbs heat so it should be protected from the sun both prior and during the installation.

Stone tiles should never be cleaned with acidic products.

If stone products are used in or around pool areas their suitability to exposure to these harsh environments may need to be tested.

If stone products are used in pools, fountains or feature ponds, these areas should be waterproofed with Davco Dampfast prior to the application of the SE-7/Davlastic system. (SMP2010 is not suitable in this application).

Stone products should not be directly stuck to gypsum board, timber flooring, timber paneling, particle board or MDF sheeting.

GROUTING

With Stackstone and Stone Wall Cladding products grouting is not required. For mesh backed sheeted stones use Sanitised ColorgROUT or Davco Porcelain Grout. The grout sizes will determine which product is suitable.

As well as the above all installation should be carried out in accordance with the relevant Australian Standards AS38958.1991 and good fixing practice.