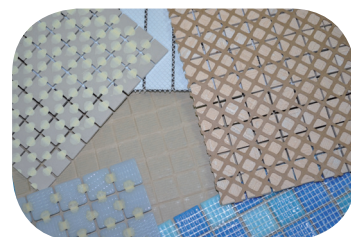


Special tiles

○ Mosaics

Mosaic tiles are made out of a variety of materials from glass to natural stone and can be supplied in variety of shapes and sizes. The mosaics are supplied on sheets for an easy fixing and these sheets are usually supplied in two forms, face down on paper or face up on synthetic mesh. Each of these two forms requires slightly different application technique.

If the mosaics are supplied with a synthetic mesh, the mesh and mesh adhesive should not cover more than 25% of the back of the tile, otherwise it could affect the final adhesion. Always check the quality of the mesh before beginning application. Glass mosaic tiles need a really white tile adhesive, so that it does not stain the mosaics or appear in transperence.

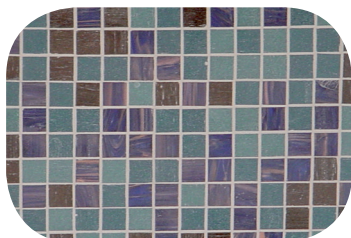


○ Metal tiles

Metal tiles come mainly in two forms, either sheet metal or metal formed around a solid background such as tile backer board or wood (MDF).

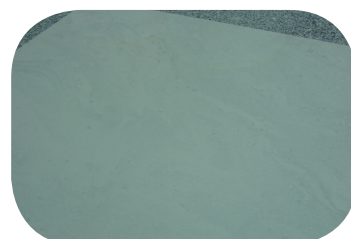
These tiles are often pressed to have a textured surface, which may cause problems when grouting.

Not to confuse with ceramic tiles with metallic effect. If the mosaic squares are not well bonded with the mesh, and that the tile adhesive does not have sufficient contact with the back of the mosaic pieces, there will be a high risk of debonding, especially if the mosaics are placed under severe constraints (swimming-pools, etc...)



○ Resin tiles

Resin tiles come in different design, shapes and sizes. Nearly any design can be made to make a feature in a house or a commercial project. Resin tiles are sensitive to moisture and can be very smooth and difficult to adhere.



Recommended products (refer to product selector p6)

Tile adhesives



Tile grouts



1- Substrate preparation

Substrate must be clean and sound with enough resistance, ensuring good adhesion between the tile and the substrate taking into consideration that the adjustment of tiles should not exceed the adhesive open time.

Special tiles such as mosaics, glass mosaics, metal tiles and resin tiles require special adhesives and preparation.

2- Method of application

Tile adhesive

Glass and resin tiles have very smooth and non-porous backs that are difficult to adhere. In this case, highly polymer-modified adhesive such as **webercol plus** or **webercol flex** or **webercol epo plus** (epoxy resin adhesive) are recommended.

Apply **webercol plus** or **webercol flex** or **webercol epo plus** evenly on the substrate. Use a suitable notched trowel to have a uniform thickness of 1.5 to 2 mm. Apply the mosaics on the substrate and press them firmly.

Tile grouting

Grouting should be done at least 24 hours after fixing tiles, using **weberjoint deco** or **weberjoint perfect** or **weberepox easy**.

Joints should be free from any dirt or excess of tile adhesive before applying the tile grout.

weberjoint glitter will give an exceptional metallic effect between tiles, especially mosaics (suitable only for internal walls).



Note

The outstanding aesthetic qualities of certain special tiles can often hide the fact that extra care will be needed when fixing. Generally, the back of special tiles can be very dense or smooth, meaning that higher grade of adhesive is needed to bond the tile sufficiently.