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TDS 114

SOVEREIGN TECHNICAL INFORMATION SHEET

PORCEL-FLEX

ORDER CODE: T9 & T9W

Description

Sovereign Porcel-Flex is specially formulated for the rapid fixing of ceramic floor and wall tiles both internally and externally. With built in flexibility and adhesion promoter it is ideal for fixing direct to timber floors and for areas that may be subject to vibration. Suitable for use in conjunction with under floor heating. Its rapid setting formula allows for light foot traffic after 2 hours.

Form Supplied: Dry powder
Pack Sizes: 20 kg
Colour Range: Grey & White

Properties

Suitable for fixing all types of tiles including porcelain, fully vitrified, marble, mosaics, terrazzo, brick slips, natural and artificial stone, concrete tiles and lightweight polystyrene to most building materials without the need for expensive additives. It is suitable for use as both a thin and thick bed adhesive. NOTE: Pale coloured marble/porcelain can be translucent and dark coloured adhesive can sometimes show through. If in doubt we would recommend tiling a small trial area or use the white grade of Porcel-Flex.

Preparation

All tiling should be in accordance with BS 5385 Code of Practice for Floor and Wall Tiling. All surfaces must be sound, clean and free from dust, dirt, grease or other loose materials. New concrete and cement screeds must have matured for at least one month and be fully dry before tiling.

If the base is not concrete, sand cement, blockwork or brickwork, further preparation is required:

Wooden Floors

Timber bases **must** be rigid. Screw down floorboards to the joists and then overlay with marine grade ply at least 12mm thick and screwed at 300mm centres. Prime timber with 1 coat of SBR bonding agent diluted with water 3:1.

Vinyl Tiles

Ensure tiles are firmly fixed. Prime with 1 coat of SBR bonding agent diluted with water 3:1.

Glazed Tiles

Either roughen the glaze with an abrasive disc or prime with 1 coat of SBR bonding agent diluted with water 3:1.

Asphalt Surfaces

Prime with 1 coat of SBR bonding agent diluted with water 3:1.

Painted Surfaces

Mechanically remove paint before tiling.

Mixing

Sovereign Porcel-Flex should be added to a clean container and mixed with water to give a thick paste. As an approximate guide use 1 part clean water to 5 parts adhesive. Once mixed the adhesive is ready to use and has a working time of approximately 20 – 30 minutes at 20°C. Do not mix more adhesive than can be used in this time. Do not add more water to adhesive that has started to set. Set time is dependant on temperature, do not use below 5°C.

General

Sovereign Porcel-Flex should be used in small areas at a time due to the fast setting nature of the adhesive.

Thin Bed

Use when surfaces are even. Spread an even layer of adhesive and comb through with a 6 mm notched trowel. Bed tiles in with a twisting action to ensure full contact.

Thick bed

Use where surfaces are not sufficiently true to allow thin bed fixing. The adhesive should be applied as a floated coat of 3 – 6 mm thickness, or locally up to 12 mm. Ensure there are no hollow spaces and that all air is expelled from the back of the tile. It may be necessary to apply a thin layer of adhesive to the back of the tiles.

Movement joints must be placed in large areas of tiling as specified in BS 5385 Part 1 and 2. **ALL** structural joints must be carried through the adhesive and tile bed. Grouting may be carried out as soon as the tile bed is firm, usually within 2 hours after fixing at 20°C. Floor will accept light foot traffic after approximately 2 hours and will accept full loading after 12 hours. When fixing tiles to timber floors, Sovereign Flexible Floor Grout **must** be used.

Coverage

Fixes approximately 5m² at 6 mm solid bed thickness.

Clean Up

Clean all tools and equipment with water before the adhesive has had time to set.

Limitations

Not suitable for areas subject to continuous water immersion. If in doubt about the products suitability please contact our Technical Department.

Information given is in good faith based on experience and usage, however all recommendations are made without warranty or guarantee, since the conditions of use are beyond our control. All goods are sold in accordance with our Conditions of Sale, copies of which are available on request. Customers are advised that product, techniques and codes of practice are under constant review and changes occur without notice. Please ensure you have the latest updated information.

Storage

This product must be stored under cover, in unopened bags clear of the ground in cool dry conditions, protected from frost and excessive draught. When stored correctly, as above, and used within 6 months of the date shown on this packaging, the activity of the reducing agent added will be maintained and this product will contain, when mixed, no more than 0.0002% (2ppm) soluble chromium (VI) of the total dry weight of the cement.

Health and Safety

R36 Irritating to skin.

R41 Risk of serious damage to eyes.

Contact between cement powder and body fluids (e.g. sweat and eye fluids) may cause irritation, dermatitis or burns. There is a risk of serious damage to eyes. Wear suitable protective clothing, gloves and eye/face protection. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. After contact with skin wash immediately with plenty of clean water. Keep out of reach of children. For full health and safety information see Safety Data Sheet reference number SDS 114.

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