



ENVIROFLEX

ENVIRONMENTALLY FRIENDLY FLEXIBLE POLYMER AND RUBBER
MODIFIED TILE ADHESIVE.



20kg

APPLICATION:

All workmanship must be carried out in accordance with AS3958.1:2007. Spread the adhesive evenly with a 6mm X 6mm notched trowel for tiles up to 150mm X 150mm and for larger tiles use a 10mm X 10mm notched trowel. Lay the tiles with a good pressure, twisting to ensure good contact with the adhesive. In more demanding exterior situations, tile on tile applications or if tiles with high ribs or lugs are being used, it is preferable to spread the backs of the tiles with a thin layer of adhesive in addition to the adhesive being trowelled onto the substrate before laying. When adhering to non-porous surfaces or tiles, please ensure that a minimum of 90% of adhesive contact is achieved to the back of the tiles. For wall tiling a minimum final bed thickness between 2 - 3mm is recommended, whilst for floor tiling a minimum final bed thickness between 3 - 10mm is recommended. Do not spread more than 1m² of adhesive at any one time as skinning may occur affecting final adhesion. Press tiles onto the adhesive before it skins and ensure that the tiles are fully supported with the adhesive with no voids. Occasionally, in order to ensure that full coverage is being maintained, a tile should be removed, the adhesive coverage noted and the tile be re-laid accordingly. Once the tiles have been laid, they must not be trafficked upon or disturbed for a minimum of 24 hours at 20oC. Allow 48 hours if temperature will fall below 20oC or tiling over Cemix® approved waterproofing membranes, non-porous substrates or tile-on-tile applications.

DESCRIPTION:

Cemix® Enviroflex tile adhesive is a premium grade highly flexible polymer engineered recycled rubber modified grey cement based water resistant adhesive for interior or exterior fixing of a wide range of tiles on to a variety of substrates, complies with c2tes1 Cemix® Enviroflex is a highly flexible, polymer engineered and rubber modified, cement based adhesive, containing a mix of recycled aggregate and fly ash, used for most internal external wall and floor applications including bathrooms, toilets, laundries, kitchens, decks, verandas and existing tiles. Suitable over concrete, cement renders, screeds, fibrous cement sheeting, plasterboard and Cemix® approved waterproofing membranes. In conjunction with Cemix® Self Leveller, it can be used for under tile heating applications. When using with translucent tiles, the colour of the adhesive should be taken into consideration.

TYPICAL APPLICATION/USES:

- Can be used for most internal external wall and floor applications including bathrooms, toilets, laundries, kitchens, decks, verandahs and existing tiles.
- Suitable over concrete, cement renders, screeds, fibrous cement sheeting, plasterboard and Cemix® approved waterproofing membranes.

ADVANTAGES:

- Highly flexible.
- Polymer engineered.
- Water-resistant.
- Interior and exterior.
- Rubber modified.
- Low VOC.
- Environmentally friendly.

SUBSTRATE PREPARATION:

The substrate should be free of dust, grease, wax, oil, dirt, loose plaster, laitance, curing compounds, paint and all other friable materials and contaminants likely to prevent the adhesive bonding. New concrete should be left with a wood float finish and sufficiently aged for a minimum of 7days. Shiny smooth surfaces on old concrete should be acid etched or scabbled. Cemix® cement screeds/floor levellers/renders must be allowed to cure for a minimum of 1day. All substrates should be structurally sound, securely fastened and properly supported to eliminate any movement, which may cause cracking. Cemix® Enviroflex tile adhesive is suitable for tiling over timber floors, provided that a fibre cement sheet tile underlay is initially installed over the timber floor. Refer to the substrate test guide below for recommended surface preparation. Certain non-absorbent substrates that are suitable for tiling should be primed with Cemix® Rocket Prime. For more information, contact the Cemix® Technical support.

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TECHNICAL DATA:

APPLICATION TEMP:	5 - 30°C
BULK DENSITY:	1.3kg/L
POTLIFE @ 18°C:	60 mins
ADJUSTMENT TIME @ 18°C	30 mins
CLASSIFICATION:	C2TES1
APPEARANCE:	Grey powder

The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations may occur on site.

COVERAGE:

Varies according to size from approximately:
Approximately 14 - 16m² / per 20kg bag using a 6mm notched trowel and 9 - 10m² using a 10mm notched trowel.

PACKAGING:

Cemix® Enviroflex is available in 20kg bags.

STORAGE & SHELF LIFE:

Twelve (12) months –unopened bags in dry weatherproof storage.

CLEANING:

Clean the tile faces with a damp sponge before the adhesive and grout sets. Clean tools with water before the adhesive dries.

PERFORM THE SUBSTRATE TEST:

No water absorbed: Mechanically prepare substrate

Moderate water absorbed: Clean with damp sponge and water

All water absorbed: Broom on liberal amounts of water.

This simple test is performed after vacuuming or sweeping a number of test areas and applying a single drop of fresh drinking water from the end of your finger. This should be approximately 20mm wide when it first hits the floor –if it beads and remains whole then “No water is absorbed”. If it loses all gloss within 20 - 60 seconds then “Moderate water is absorbed”. If the gloss disappears instantly or within 20 seconds then the substrate has “All water absorbed”. Look for different surface appearance in your floor and test each to ensure your test is representative of the whole area. Perform test in both a cool shaded area and an exposed sunny area if tiling externally. Prime all substrates with Cemix® Rocket Prime (non – absorbent) or with Cemix® Cemlastic Primer and Additive. For further information, please contact the Cemix® Technical support.

MOVEMENT / CONTROL JOINTS:

Movement joints must be incorporated at the design stage and in accordance with AS3958.1-2007 as follows:

- Over movement joints in the background
- At a junction between different backgrounds materials
- At internal vertical corners and fixtures interrupting the tile surface e.g. columns
- Around the perimeter of the tiling area
- At a maximum of 5metre intervals in a grid pattern. Consideration should be given to the provision of additional movement joints with large tiles, e.g. 400 x400 plus, when exposed to strong sunlight.

Note: Movement joints should go right through the tile adhesive bed to the background and be kept free from dirt and adhesive droppings. Movement joints must not be less than 6mm or greater than 10mm wide. All movement joints that are 6mm wide can be filled with flexible sealant.

MIXING:

1. Add approx. 7 – 8L of clean water to a bucket for 20Kg of Cemix® Enviroflex.
2. Sprinkle powder slowly into the water, mixing constantly until a thick creamy toothpaste consistency is achieved –with no lumps.
3. Allow to stand for 5 minutes and re mix and then the adhesive is ready to use. DO NOT aerate the mix by stirring over vigorously or for too long. The mix should be stiff enough to keep its shape when spread with a notched trowel.

GROUTING:

Prior to grouting, remove excess adhesive from the tile face and between the tiles. Grouting may be undertaken after 24 hours but allow a further 24 hours before general use. Allow joint widths of 1.5mm - 5mm for walls and 3mm - 15mm for floors as per AS3958.1-2007. Thoroughly clean the surface of the tiles to remove all residue prior to the grout drying

LIMITATIONS:

- Not suitable for tiling directly over flexible substrates, such as timber, plywood, particleboard, MDF and Masonite UNLESS minimum 6mm thick fibre cement underlay sheet is securely fastened over timber, particleboard etc. and all as per AS3958.1-2007 deflection requirements.
- Ensure that there are adequate falls incorporated to prevent water ponding.
- Not suitable for continuous water immersion applications, e.g. swimming pools and spas etc.
- Not suitable for tiling over waterproofing membranes unless Cemix® and waterproofing manufacturer approved.
- Not suitable for tiling directly on to impervious non-absorbent surfaces like metals and plastics.
- Not suitable for moisture sensitive tiles stones or green marble as discolouration might occur. Brush apply the moisture sensitive stone with Cemix® Pavseal and then fix the sealed stone as normal after 4 – 5 hours – to avoid discolouration and moisture penetration.
- Only to be used between 5°C - 30°C and avoid extreme windy locations.
- External tiling must not to exceed 2.7m in height
- Suspended concrete slabs must conform to AS3958.1-2007 for maximum deflection. Any post-tensioned concrete slab must be treated as a flexible substrate.

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PRECAUTION:

Being cement based, may cause respiratory, skin and eye irritation. Wet cement can be irritating and corrosive to eyes and skin; and may cause skin sensitization (dermatitis). Repeated inhalation may cause bronchitis, silicosis and lung cancer and increase risk of scleroderma.

SAFETY

Avoid contact with eyes & skin, both from wet & dry mix. Do not breathe in dust. Wear suitable protective clothing, gloves, eye protection & barrier cream. Wear a suitable dust mask. Wash thoroughly after handling & store any leftover material properly.

FIRST AID

Irrigate eyes & skin with plenty of water & seek medical advice immediately.

SPILLS AND LEAKS:

Keep out of sewers & storm water drains & dispose of any leftover material as trade waste in accordance with local authority guidelines.

DISCLAIMER:

Recommendations & advice regarding the use of this product are to be taken as a guide only. Other than as appears on this products packaging, CEMIX® LTD does not give any warranty express or implied as to the suitability of this product for your particular use, because the usage of this product is beyond the control of CEMIX® LTD. If you need advice concerning the use of suitability of this product for your particular application, please contact CEMIX® LTD first.

