



MORE THAN CONCRETE



# SUPER RIGID SET

## CEMENT BASED WATER RESISTANT ECONOMICAL ADHESIVE

AVAILABLE SIZES: 20kg



SCAN FOR DETAILS

### DESCRIPTION

CEMIX SUPER RIGID SET is a cement based economical adhesive for interior or exterior fixing of tiles on rigid concrete surfaces by professionals. Cemix super rigid set is cement based rigid set, exceptionally high strength, high quality adhesive ideal for bonding most types of ceramic tiles, porcelain, mosaic, natural stone, marble and granite for wall and floor applications onto rigid substrates. Suitable for both thick and thin bed applications. When using CEMIX SUPER RIGID SET with translucent/absorbent/moisture sensitive tiles and stone, the colour of the adhesive must be considered, to avoid discolouration problems. When fixing over flexible substrates i.e., Fibrous cement sheeting, plasterboard, etc., mix CEMIX SUPER RIGID SET with CEMIX CEMLASTIC as a total water replacement to produce improved adhesion, flexural and compressive strength. A mix of CEMIX SUPER RIGID SET and CEMIX CEMLASTIC should also be used on more difficult surfaces including those in fully immersed situations or high point loads etc. Please contact Cemix Technical support for more details for large commercial applications.

### TYPICAL APPLICATION / USES

Ideal for bonding most types of ceramic tiles, porcelain, mosaic, natural stone, marble and granite for wall and floor applications  
Can be used in thick and thin bed applications

### ADVANTAGES

- High strength
- High quality
- Cement based adhesive
- Rigid setting

### 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 28 days. Shiny smooth surfaces on old concrete should be acid etched or scabbled. Cemix cement screeds/floor levelers must be allowed to cure for a minimum of 7 days. All substrates should be securely fastened and properly supported to eliminate any movement that may cause cracking. Refer to the substrate test guide below for recommended surface preparation. To achieve warranted performance, it is recommended that all substrates should be primed with CEMIX CEMLASTIC with a brush/roller undiluted from the container. Allow to become tacky before tiling. For further information, contact the Cemix Technical support.

### 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.



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## MOVEMENT / CONTROL JOINTS

Movement joints must be incorporated at the design stage and in accordance with AS 3958.1-2007 as follows:

1. Over movement joints in the background
2. At a junction between different backgrounds materials
3. At internal vertical corners and fixtures interrupting the tile surface e.g. Columns
4. Around the perimeter of the tiling area
5. At a maximum of 5m intervals in a grid pattern. Consideration should be given to the provision of additional movement joints with large tiles, e.g. 400 x 400 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

- Add approx. 5L of clean water to a bucket
- Sprinkle CEMIX SUPER RIGID SET slowly into the water, mixing constantly until a thick creamy toothpaste consistency is achieved – with no lumps
- Allow to stand for 5 minutes and re mix and then the adhesive is ready to use. Use CEMIX TILE BOND LATEX as total water replacement in areas subject to movement, vibration, thermal fluctuation, expansion or contraction, immersed applications and when adhering to non-porous surfaces or tiles. In such situations please ensure that a minimum of 90% of adhesive contact is achieved to the back of the tiles. 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

## 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 12mm X 12mm notched trowel. Lay the tiles with a good pressure, twisting to ensure good contact with the adhesive. In more demanding exterior situations, 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.

Do not spread more than 1m<sup>2</sup> 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, ensuring the adhesive coverage to be over 90% 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 20 °C.

## GROUTING

Grouting may be undertaken after 24 hours but allow a further 24 hours before general use.

## TECHNICAL DATA

- Appearance – Grey Powder
- Application Temp – 5 – 30 °C
- Yield / Coverage – Varies according to size from approximately: 6.6m<sup>2</sup> per bag of 20kg using 6 mm notched trowel 3.3m<sup>2</sup> per bag of 20kg using 10 -12mm notched trowel
- Bulk Density – 1.5kg/litre
- Adjustment time at 18 °C – 15 minutes
- Pot life at 18 °C – 1 hour
- Classification – C1E (with water) C1ES2 (with CEMIX CEMLASTIC as a to talk water replacement).

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

## STORAGE

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

## CLEANING

Remove excess adhesive from between the tiles and clean the tile faces with a damp sponge before the adhesive sets. Clean tools and adhesive with water before the adhesive dries.

**If medical advice is needed, have product container or label at hand. Read label before use. Keep out of reach of children.**

## DANGER



## HAZARD STATEMENTS

- Causes skin irritation
- Causes serious eye damage
- May cause cancer
- Causes damage to organs
- May cause respiratory irritation
- Causes damage to organs through prolonged or repeated exposure
- Toxic to aquatic life
- May cause long lasting harmful effects to aquatic life



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## PREVENTION

- Obtain special instructions before use
- Do not breathe dust/fume/gas/mist/vapours/spray
- Use only outdoors or in a well-ventilated area
- Wear protective gloves/protective clothing/eye protection/face protection
- Use personal protective equipment as required
- Do not eat, drink or smoke when using this product
- Avoid release to the environment

## RESPONSE

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- IF exposed: Call a POISON CENTER or doctor/physician
- IF exposed or concerned: Get medical advice/attention
- Immediately call a POISON CENTER or doctor/physician
- Take off contaminated clothing and wash before reuse
- IF ON SKIN: Wash with plenty of soap and water
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- If skin irritation occurs: Get medical advice/attention

## STORAGE

- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

## DISPOSAL

- Dispose of contents/container in accordance with local regulations

## DISCLAIMER

Please Note: Recommendations and advice regarding the use of this product are to be taken as a guide only. Other than as appears on this product's packaging, CEMIX® PRODUCTS LTD does not give any warranty express or implied as to its suitability for any particular use. For all advice concerning the use of, or suitability of this product for a particular application please contact CEMIX® PRODUCTS LTD. If this product is defective, please contact the merchant the material was purchased from or CEMIX® PRODUCTS LTD who will refund or replace it in accordance with the requirements of the Consumer Guarantees Act.

## SCAN QR CODE FOR MORE PRODUCT INFORMATION:



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