

TS99

TECHNICAL DATA

The information contained within this Technical Data Sheet, details product description, health and safety hazard information of the product and how to safely handle and use the product in the workplace. Also refer to the MSDS for more information. Each user of this product should read the MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Demtech Australia Pty Ltd. Demtech Australia Pty Ltd makes no representation as to the completeness and accuracy of the data contained within this data sheet. It is the user's obligation to evaluate and use this product safely, and to comply with all relevant Federal, State and Local Government laws and regulations. Demtech Australia Pty Ltd shall not be responsible for loss, damage or injury resulting from reliance upon or failure to adhere to any recommendation or information contained herein, from abnormal use of the material, or any hazard inherent in the nature of the material.

DESCRIPTION

Cureflex TS99 Stonebond is a high strength, flexible wall tile adhesive with excellent non-slump and extended open time characteristics. Cureflex TS99 meets and exceeds the requirements for Australian Standard 4992.1. Suitable for interior and exterior walls for use on all types of masonry substrates including sand/cement render and pre-cast concrete. Cureflex TS99 is both hydraulically and organically bound, guaranteeing excellent adhesion of the tile to the desired surface.

PROPERTIES

| | |
|-------------------------|---|
| Product | High strength flexible wall tile adhesive |
| Binder | Hydraulic and organic binders |
| Filler | Inert finely graded fillers |
| Colour | Grey/white |
| Additives | Plasticizing agents, adhesion improving substances, as well as water retaining agents |
| Tensile adhesion | Standard conditions >1.0N/mm ² Heat aging >1.0N/mm ² After water immersion >1.0N/mm ² After freeze/thaw cycle >1.0N/mm ² |
| Application temperature | 5-35°C |
| Mixing water | 28-30% |
| Adjustability time | >45 minutes |
| Pot life | 8 hours |
| Open time | >30 minutes |
| Ready to grout | 24 hours |
| Ready for use | 14 days |
| Storage | 6 months in original unopened containers |

PREPARATION

Preparation

All surfaces must be cleaned, primed, dry and free from any contaminants such as dust, oil, wax, grease, curing agents or other substances that may affect adhesion performance. Building debris such as offcuts, sawdust, nails, screws, plaster, wood, etc., must be thoroughly cleaned with the aid of a broom, vacuum cleaner and damp sponge. In the event where applying over existing tiles, various preparation methods apply depending on application. It is advisable to call manufacturer's customer support for free advice and instructions. Do not apply over deteriorating substrates. Ensure that the concrete slab has cured for 7-14 days during warmer temperatures or for 14-28 days during colder temperatures. Ensure that screeds have cured, normally after 7 days depending on screed thickness and temperature. Ensure waterproof membranes have cured, minimum 24 hours after application.

Coverage

| Notched Trowel Size | Coverage per m ² |
|---------------------|-----------------------------|
| 6mm | 9m ² |
| 8mm | 8m ² |
| 10mm | 7m ² |
| 12mm | 6m ² |

Coverage may vary depending on type of tiles, substrate and conditions. Measurements are approximate only, based on 20kg bag.

Working Time

When Cureflex TS99 is mixed with clean water it will remain workable for at least 2-4 hours in the bucket. Spread Cureflex TS99 approximately 1-2m² at a time. Lay tiles over adhesive immediately after spreading to avoid skinning. If skinning occurs remove adhesive completely and re-apply.

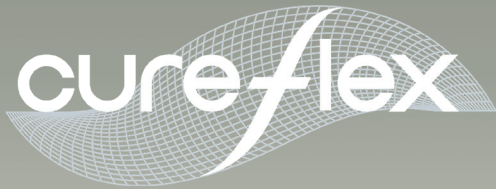
APPLICATION

Mixing

Use only clean tap/rain water to mix Cureflex TS99. Pour approximately 4L of water in a clean container and gradually add 20kg of Cureflex TS99 whilst mixing. Using a mechanical mixer at a medium to high speed, mix powder and water together until a smooth paste consistency is achieved. Allow to settle for a few moments, re-mixing before applying.

Application

Spread Cureflex TS99 over prepared/primed surface/substrate using an appropriate notched trowel to accommodate tile size and type. Lay tile over adhesive then lift tile up again. Inspect the underside of tile for complete bedding adhesion. Tiles must be well bedded, eliminating any voids. Do not 'butt join' tiles together, ensure minimum grout joints of 1.5-3.0mm spacing between tiles. Larger joints are required for quarry/stone tiles. Tile spacers must be removed prior to grouting as per AS3958.1 section 5.4.6 (e). Installation must be undertaken in accordance with the Australian Standard requirements. Tiling must be undertaken in accordance with AS3958.1 'Guide to the installation of ceramic tiles' handbook.



TS99
TECHNICAL DATA

APPLICATION Cont.

Expansion Joints

It is required that the installer has full knowledge/understanding in relation to expansion joint installation. Expansion joint requirements relating to specific applications can be obtained from designers, architects, builders, tile and expansion joint manufacturers or the Australian building codes of practice. Failure or improper building practices may void warranty.

Grouting

Tiles may be grouted 8 hours after installation depending on temperatures. Grouting generally is best performed 24 hours after tiles have been installed.

Cleaning

Clean tools with water. For best results, clean tiles and other surfaces with a damp sponge whilst adhesive is fresh.

IMPORTANT NOTICES & CONTACT POINTS

General

The information contained herein is based on present state of our knowledge and does not guarantee certain properties. Recipients of our products must take responsibility for observing laws and regulations. The information contained within is published free of charge in good faith and is based on technical data that Demtech Australia Pty Ltd considers to be reliable.

Disclaimer

The information within is intended for use by skilled and/or persons with technical knowledge. They required to make their own assessment and use product at their own risk and discretion. Information contained in this product sheet conforms to the standard detail recommendations and specification for the use of Demtech Australia products as of the date of this document. Demtech Australia Pty Ltd make no other warranties and assumes no liability, expressed or implied. To ensure that you are using the most complete and up to date information, contact Demtech Australia Pty Ltd.

Technical Department

Demtech Australia Pty Ltd (ABN 91 131 136 706)
16 Logis Blvd, Dandenong South VIC 3175 Australia
Website: www.demtech.com.au
Technical Support: 1300 300 090

Australian Poisons Information Centre

13 11 26

Police & Fire Brigade

000