



# SALS

## **SALS Flex Adhesive**

### **Flexible White Wall & Floor Tile Adhesive**

The SALS Flex Adhesive has been especially developed and formulated to work with all the components of the system. It is recommended for use with SALS and designed to eliminate surface scratching.

- Specially formulated non sanded adhesive to eliminate scratching.
- Excellent workability for easy application.
- Suitable for a range of tile types including ceramic, fully vitrified, porcelain and mosaics
- Internal applications
- Fast drying – grout after 4 to 6 hours
- White in colour
- High coverage
- Low VOC content - meets Green Building Council of Australia Green Star IEQ-13 requirements

**SALS Simple Accurate Levelling System**  
**Technical Support 1300 788 780**

# SALS Flex Adhesive



## SALS Flex Adhesive

SALS Flex Adhesive is a flexible white cementitious ceramic tile adhesive for internal floor and wall tiling, especially developed to be used with SALS Simple Accurate Levelling System. SALS Flex Adhesive can be used with most tiles but contains no sands to prevent scratching of tiles particularly porcelain and polished porcelain tiles. With a smooth easy to spread consistency it is also fast setting for efficient installation of tiled surfaces. SALS Flex Adhesive exceeds the requirements of Australian Standard AS4992.

## SUBSTRATES

Concrete, renders, screeds  
Fibre-cement sheet, plasterboard on walls  
Compressed fibre-cement sheet on floors  
ARDEX liquid applied undertile waterproofing membranes  
Existing ceramic tiles (internal dry areas).

## FOR FIXING (TILE TYPES)

Suitable for internal application of tiles with more than 0.01% water absorption, including non moisture sensitive natural stone, porcelain, mosaics, fully vitrified and ceramic tiles to most locations.

## SURFACE PREPARATION

Surfaces must be consistently flat and firmly fixed. Clean off dust, oil, grease and all loose contamination materials. Ensure surfaces are dry before tiling, with no residue or permanent damp. Prime porous surfaces with ARDEX Multiprime.

## Cement Render Walls

Render to consist of one part cement to three or four parts sand. Leave the render with a wood float finish to establish a mechanical key. Allow render at least 7 days to cure prior to tiling. It should be approximately 10mm thick. Prime with ARDEX Multiprime.

## Fibre-Cement Sheeted Walls

Fix according to the manufacturer's instructions, making sure the surface is completely clean. After priming with ARDEX Multiprime, tape sheet joints with PVC ducting tape.

## Plasterboard Walls

Do not require priming. However when jointing compound is used, prime joints with ARDEX Multiprime.

## ARDEX Liquid Applied Waterproofing Membranes

Waterproofing must be applied according to instructions and thoroughly dry prior to tiling. Ensure membrane is suitable for tiling over.

## Concrete Floors

Concrete floors should have a wood float finish. Allow at least four (4) weeks for concrete to cure prior to tiling. Screeds must be at least seven (7) days old. The surface should be true and level and pitched to drains where required. Remove any concrete sealers or curing compounds from the surface, e.g. Chlorinated rubber, resin, wax sealers. Steel trowel finished concrete should be roughened mechanically to remove laitance and provide a good key for tiling.

## Existing Ceramic Tiles (Dry Areas)

The old tiles must be firm and stable. Roughen the surface of the old tiles by mechanical means and clean off contamination and dust before tiling. Ensure that at least 80% of the glaze is removed.

## MIXING

Use 7 litres of water per 20kg of SALS Flex Adhesive.  
Add powder to clean water in a clean container and mix to a thick creamy consistency. Allow to stand for 2 minutes. Re-stir the mixture thoroughly and the adhesive is ready or use for up to 2 hours at 23°C and 50% humidity. Water content can be adjusted for tile type and application area.

## APPLICATION

Tiling practices must be in accordance with AS3958. Use the appropriate notched trowel to achieve 100% coverage. As a general guide, use a 6 x 6 x 6mm trowel on walls, 10 x 10 x 10mm trowel on floors. Before fixing tiles, ensure the back of the tiles are free from dust.

Spread approximately one square metre at a time ensuring that a skin has not developed prior to bedding the tiles. Do not apply SALS Wall & Floor Tile Adhesive at a bed thickness greater than 6mm or less than 1.5mm.

Press and slide the tile at right angles to the notch pattern to ensure 100% coverage on the back of the tile. Tiles should be laid with a joint width of no more than 3mm for floors and 1.5mm for walls.

Lift a tile from time to time to check that there are no voids beneath the tile. Do not spot fix tiles.

Any surplus adhesive must be removed from the surface of the tile and joints, before the adhesive sets.

## GROUTING

Grouting can proceed once the tile bed has hardened sufficiently so that tiles will not be dislodged. Grouting may be allowed after approximately 4-6 hours, and light pedestrian traffic after 24 hours at 23°C and 50% relative humidity. Allow longer for dense tiles/substrates, humid climates and low temperatures.

For polished porcelain tiles we recommend ARDEX FSDD - Non Sanded Fine Tile Grout.

## MOVEMENT JOINTS

Movement joints must be in accordance with AS3958.

## COVERAGE

20 Kg of SALS Flex Adhesive is sufficient for approximately 12m<sup>2</sup> of tiling using a 6 x 6 x 6 mm notch trowel and 8m<sup>2</sup> when using a 10 x 10 x 10mm notch trowel.

## PACKAGING

SALS Flex Adhesive is packed in polylined paper sacks - net weight 20kg.

## CLEANING

All tools should be cleaned with water immediately after use.

## SHELF LIFE

SALS Flex Adhesive has a shelf life of 12 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

## CLASSIFICATION

C1 E S2

## PRODUCT LIMITATIONS

- Do not use SALS Flex Adhesive to fix moisture sensitive natural stone (e.g. green marble).
- Do not use SALS Flex Adhesive in external areas or in areas subjected to water immersion - e.g. swimming pools, ARDEX provide other systems, please contact Technical Services for advice.
- Do not use SALS Flex Adhesive over timber.

## SAFETY PRECAUTIONS

This product is considered non hazardous in normal usage. The presence of cement in the product gives an alkaline mortar which may cause some irritation if prolonged contact with skin takes place.

Avoid contact with skin and eyes; in case of contact with the eyes, rinse immediately with plenty of water and seek medical advice; wear suitable gloves and eye protection and keep the product out of the reach of children. Avoid generation of airborne dust during mixing. If swallowed do not induce vomiting, give a glass of water and contact a doctor.

## DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standard, our instructions and recommendations and only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

## KEEP OUT OF REACH OF CHILDREN.

For a copy of a Material Safety Data Sheet or for Technical information please contact:

## SALS Simple Accurate Levelling System

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