



BUILDING TRUST



## PRODUCT DATA SHEET

# Westflex

### A PREMIUM RUBBER MODIFIED CEMENT BASED TILE ADHESIVE

#### DESCRIPTION

Westflex adhesive is a premium grade, thick or thin bed, fast setting, rubber modified, flexible, powdered cement based adhesive, specifically formulated to bond tiles onto a variety of substrates. Westflex adhesive for thin bed and medium bed applications up to 10mm layer thickness.

#### USES

- Westflex adhesive can be used on both walls and floors, in interior and exterior applications.
- Westflex adhesive can be used to fix tiles onto concrete, cement renders/screeds, blockwork, rendered brickwork, plasterboard, fibre cement sheeting, old ceramic tiles and waterproofing membranes.
- Westflex adhesive is recommended for thin or thick bed fixing of all types of ceramic, mosaic, fully vitrified, porcelain, terracotta, slate, quarry, granite and marble tiles.
- Westflex adhesive is not suitable for use with moisture sensitive stone. Use a suitable Sika adhesive for these applications.

#### CHARACTERISTICS / ADVANTAGES

- Flexible performance
- Economical
- Easy to use
- Versatile - walls, floors, internal & external
- Low VOC

#### PRODUCT INFORMATION

<b>Packaging</b>	20kg Paper bags / 64 bags per pallet
<b>Shelf life</b>	12 months from date of manufacture if unopened.
<b>Storage conditions</b>	Store in dry cool conditions, off ground out of direct sunlight.

#### APPLICATION INFORMATION

<b>Mixing Ratio</b>	6.5 - 7.5 Litres of clean potable water per 20kg bag	
<b>Consumption</b>	<b>Notched trowel size</b>	<b>Approx Coverage</b>
	6mm notched trowel	10m <sup>2</sup>
	10mm notched trowel	6m <sup>2</sup>

Coverage is influence by surface profile and application technique, coverage should be considered as a guide only.

<b>Pot Life</b>	2.5 hours at 23°C & 50% relative humidity	
<b>Open Time</b>	30 Minutes	
<b>Applied Product Ready for Use</b>	<b>Application</b>	<b>Wait Time</b>
	Light traffic & Grout	24 hours
	Dry Area Service	36 hours
	Wet area service	3 Days
<p><i>Wait times are determined at 23°C and 50% relative humidity, times shall be affected by environment. Hot climates will reduce wait times and cold climates will extend times. Use wait times as a guide only.</i></p> <p><i>Where faster setting is required add 1 or 2 packs of Sika Burst to the Westflex or use a Sika rapid setting cement based tile &amp; stone adhesive.</i></p>		

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## FURTHER INFORMATION

Expansion / Movement joints should be provided as follows:

1. Over movement joints in the background.
2. At a junction between different background materials.
3. At fixtures interrupting the tile surface e.g. columns.
4. At internal vertical corners.
5. Around the perimeter of the tiling system
  - Refer to Australia Standards for further information regarding expansion and movement joints

## IMPORTANT CONSIDERATIONS

- Do not use Westflex in temperatures above 35°C or below 5°C.
- Do not allow the adhesive to skin prior to laying the tiles. If the adhesive skins, remove and dispose of it, then re-apply fresh adhesive.
- Westflex adhesive is not suitable for fixing tiles directly onto timber floors.
- Westflex adhesive is not suitable for the tiling of areas where continual immersion occurs i.e. swimming pools, spas, etc.
- For other uses or the use of Westflex over substrates/situations not mentioned in these instructions, contact Western Distributors.
- When using Westflex adhesive with translucent tiles the colour of the adhesive must be considered.
- Not suitable for use on external facade applications above 3 meters.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.

## APPLICATION INSTRUCTIONS

### EQUIPMENT

- Appropriate personal protective equipment
- Mixing drill with stirrer attachment
- Mixing pails
- Notches trowels

### SUBSTRATE QUALITY

- Substrates must be properly cured, structurally sound, free from loose or friable particles, clean, dry and free from contaminants such as dust, dirt, oil, grease, curing compounds, laitance or efflorescence.
- Dependant on the substrate condition and contamination to be removed from the surface, perform adequate preparation techniques such as water blasting, scarification, or blast cleaning in order to remove all traces of any materials that could reduce the products adhesion to the substrate.
- For tiling wet areas, a suitable Sika approved waterproof membrane should be used prior to tiling.
- Substrate deflection under loads must not exceed L/360 for tiles and L/480 for stone.

### CONCRETE FLOORS:

Concrete must be a minimum 28 days old. Concrete shall be left with open surface - steel trowel finishes are generally acceptable if they display the "moderate water absorbed" in the substrate test. Wood float and broom finishes are preferred where possible. All traces of curing compounds, sealers, release agents, coatings, dust, dirt, oil, and any other contaminate that may inhibit the adhesion must be removed prior to tiling. Concrete must accept water and be free from laitance.

### CEMENT MORTAR BEDS / SCREEDS:

Must be installed as per AS ISO 3958.1-2007. Westflex adhesive can be used over early aged mortar beds / screeds. Screeds must be 24 hours old per 25mm of thickness.

### SHEETED SUBSTRATES:

All boards / underlays must be installed as per manufacturer's instructions and specifically designed for tiling.

## SURFACE PREPARATION

Surfaces shall be primed prior to application of adhesive.

### Priming Guide:

<u>Substrate type</u>	<u>Primer</u>
Porous substrates	Davco Ultraprime or PrimeX
Dense substrate	Davco PrimeX
Non porous substrates	Sika Prep n Prime or Davco Ultrabond

- Always refer to primer datasheet for additional information and product recommendations

## MIXING

1. Westflex adhesive shall be mixed with 6.5 - 7.5 litres of clean potable water.
  2. Pour the water into a mixing pail and slowly add the Westflex adhesive.
  3. Mix the adhesive for approximate 2-3 minutes until it reaches a smooth lump free mixture.
  4. Allow the adhesive to stand or slake for 5 minutes
  5. Restir the adhesive for an additional minute then the adhesive can be used
- Westflex adhesive may require restirring during its potlife, remix without adding any water.

## APPLICATION

1. Deposit a quantity of adhesive onto the prepared substrate.
2. Do not apply more adhesive than can be tiled within the open time of the product, usually from a single tile up to around 1m<sup>2</sup> at a time.
3. Spread the adhesive over the area where tile is to be applied, forming straight rows of adhesive "beads".
4. Where "back buttering" is required, use the straight side of the trowel to apply a thin covering of adhesive to the back of the tile.
5. Position the tile on the beaded adhesive and press firmly.
6. Move the tile forward and then back at 90° across the direction of the beads to ensure all beads are flattened leaving no voids under the tile. Occasionally lift a tile after placing it to check that the beads are fully compressed and that sufficient coverage has been achieved (90-100%). Replace the tile.
7. After laying a section at a time, remove any excess adhesive from the surface of the tiles and within the grout joint while the adhesive is still wet.

## CLEANING OF TOOLS

Tools and equipment can be cleaned with water prior to the Westflex adhesive setting.

### Sika Australia Pty Limited

ABN 12 001 342 329

aus.sika.com

Tel: 1300 22 33 48



### Product Data Sheet

Westflex

April 2022, Version 01.01

02171010200000422

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Westflex-en-AUDAVCO-(04-2022)-1-1.pdf