

# Technical Data Sheet

# CONFLEX



architectural +  
structural  
adhesives

## DESCRIPTION

**Conflex** is a flexible, powdered adhesive for wall and floor applications. Suitable over concrete, cement render, screeds, fibrous cement sheeting, plasterboard and **ASA** or **Bostik** approved waterproof membranes. **Conflex** is recommended for all internal and external applications including bathrooms, toilets, laundries, kitchens, decks, verandahs and existing tiles. **Conflex** is suitable for bonding most types of tiles.



## FEATURES & BENEFITS

- Flexible powdered adhesive
- Green screed
- Suitable over **ASA** and **Bostik** approved waterproof membranes
- Suitable over under tile heating
- Accommodates thermal movement
- Cost effective
- Environmentally friendly packaging
- Water washable
- No odour
- Hydrates - chemically cures
- Excellent rheology and workability
- Easy to spread

## RECOMMENDED FOR

- Tiling over existing tiles
- Concrete
- Cement render
- Brickwork
- Blockwork
- Fibrous cement sheeting
- **ASA** and **Bostik** approved Waterproof membranes
- Use in areas covered by AS3958.1-1991.  
Clauses: 3.3.1.2; 3.2.2.2; 3.3.3.3; 3.3.3.4; 3.3.4.2; 3.5.1.1;  
3.5.1.3; 3.5.2.1; 3.5.4.1; 3.5.4.2.

## SURFACE PREPARATION

All surfaces must be clean, dry and be free from dust, grease, wax, oil, laitance curing compounds and all other contaminants likely to prevent the adhesive bonding. Porous substrates must be primed with **ASA Multiprime** prior to tiling. Fibrous Cement Sheeting and Plasterboard must be fixed in accordance with the manufacturer's printed directions. Cement render/screeds must be allowed to cure for 1 day, concrete to be left with a wood float finish and allowed to cure for at least 7 days for each 25mm prior to tiling. Smooth steel trowel finished concrete must be mechanically abraded to increase adhesion. ASA and Bostik waterproof membranes must have dried in accordance with the printed directions on the packaging.

## EXPANSION JOINTS

Movement joints must be incorporated in the tile layout in accordance with AS3958.1-1991 clauses 5.4.5.1 to 6.

## MIXING

25kg of **Conflex** powder requires approximately 6 litres of water which produces 18 litres of mixed product. Add a measured amount of water into a clean container and sprinkle **Conflex** slowly into the liquid with constant stirring. Eliminate lumps. Mix to a thick toothpaste consistency. Allow to stand for 2 minutes. Then re-mix. Adhesive is now ready to use.

## APPLICATION

Apply the mixed adhesive to the prepared substrate using the appropriate notched trowel for the size of the tile being laid. A minimum of 1mm and a maximum of 3mm bed thickness for walls and 3mm and a maximum of 4mm for floors must be achieved. Ensure that the tiles are fully supported by the adhesive with no voids. Do not spread more than 1m<sup>2</sup> of **Conflex** at a time. Lay tiles into the adhesive before it skins. Do not disturb tiles until the adhesive has cured.

## DRYING

Allow adhesive to cure for a minimum of 24 hours (when tile work is firm) prior allowing foot traffic. Allow 48 hours when tiling over waterproofing membranes and non-porous substrates. Do not tile if temperatures are likely to drop to below 5°C or exceed 30°C. For temperatures below 20°C allow the adhesive to cure for an extended period of time. If uncertain check to see if the adhesive has set before allowing foot traffic or grouting.

## GROUTING

Use the appropriate **ASA** grout, allowing joint widths of 1.5mm to 5mm for walls and 3mm to 15mm for floors as per AS3958.1-1991 clauses 5.4.6.

## CLEAN UP

**Conflex** can be removed from the surface of the tiles using a damp cloth while the adhesive is still wet. Tools and

# Technical Data Sheet

# CONFLEX



architectural +  
structural  
adhesives

equipment can be cleaned with warm water and detergent prior to adhesive drying.

## PACKAGING

14kg and 25kg paper bags.

## POT LIFE

3.5 hours at 22°C and 50%RH **Setting time:** 24 hours at 22°C and 50%RH.

## COVERAGE

1.5kg powder per m<sup>2</sup> using a 6mm x 6mm notched trowel and 3kg powder per m<sup>2</sup> using a 12mm x 12mm notched trowel.

## SAFETY PRECAUTIONS

This product is non-toxic but contains cement. Use good occupational health and safety practices to avoid personal contact. ASA recommend the use of dustmasks, eye protection and wearing of gloves when handling. For more detailed information refer to product MSDS.

## SHELF LIFE

Unopened bags can be stored for up to 12 months in a cool, dry and weatherproof environment. Bags must be stored off the floor.

## LIMITATIONS

- Not suitable for tiling directly onto timber, plywood or particleboards
- Not recommended for continuous water immersion applications, eg: swimming pools and spas etc
- Not recommended for metal or plastic substrates
- Do not use over polyurethane membranes other than **ASA's** or **Bostik's** if they have been primed/covered with **ASA Epoxy Prime 2 Part**
- Do not apply the product in extreme temperatures of below 5°C and above 30°C

**DISCLAIMER:** *It is the users responsibility to check and read the latest updated Data Sheet and related information before using the product. Users should also check and perform their own tests when assessing the suitability of a product for a particular application under certain conditions.*

PHYSICAL PROPERTIES	
<b>Appearance:</b>	Cementitious grey powder
<b>Bulk density:</b>	1.35 g/cm <sup>3</sup>
<b>Mixing SG:</b>	1.46 g/cm <sup>3</sup>
<b>Mixing ratio:</b>	6 litres of water to 25kg of product
<b>Pot life:</b>	3.5 Hours at 22°C and 50%RH
<b>Open time:</b>	35 minutes at 22°C and 50%RH

MECHANICAL PROPERTIES	
<b>Tensile strength:</b>	1.29 N/mm <sup>2</sup>
<b>After Immersion:</b>	1.06 N/mm <sup>2</sup>
<b>Heat ageing:</b>	1.02N/mm <sup>2</sup>
<b>Freeze/Thaw:</b>	1.10N/mm <sup>2</sup>
<b>Transverse deformation:</b>	4.0 mm
<b>Classification (as per AS4992.2) C2ES1</b>	

**TECHNICAL SERVICES TOLL FREE NUMBER**  
**1800 813 890 Australia**  
**0508 222 272 New Zealand (land lines only)**  
 or visit [www.asaltd.com.au](http://www.asaltd.com.au)  
 a member of the Bostik group of companies



## GUARANTEE

ASA guarantees this product for 10 years provided application is in accordance with manufacturer's directions and the Australian Standards for Tiling Practice. ASA's liability is limited to the cost of replacing effected ASA product only. ASA reserves the right to inspect. Contact ASA for full guarantee terms.

NSW HEAD OFFICE	VIC	QLD	SA	WA	NZ
Ph: (02) 9725 4666 Fax: (02) 9725 4427	Ph: (03) 9261 4733 Fax: (03) 9261 4744	Ph: (07) 3260 2422 Fax: (07) 3260 2411	Ph: (08) 8244 2853 Fax: (08) 8244 0522	Ph: (08) 9314 5200 Fax: (08) 93374377	Ph: +64 9270 3168 Fax: +64 9270 6170 conflexissue2rev2310806ws