an **ARDEX**GROUP Company

wedi 321 ADHESIVE

Cement Based Flexible Adhesive

Extended open time

Engineered for all wedi products

Fibre reinforced for extra strength

Excellent workability with superior non-slump performance

ARDEX Australia Pty Ltd
2 Buda Way,
Kemps Creek, NSW 2178
Phone: 1300 788 780
Email: technicalservices@ardexaustralia.com
www.ardexaustralia.com

ARDEX New Zealand Ltd
15 Alfred Street, Onehunga Auckland,
New Zealand 1061
Phone: 0800 227 339
Email: info@ardexnz.com
www.ardex.co.nz

wedi 321 ADHESIVE

Cement Based Flexible Adhesive

DESCRIPTION

wedi 321 Adhesive is a non-slump cement based flexible adhesive for internal & external applications. wedi 321 is specially designed for adhering wedi to the substrate.

APPLICATIONS

wedi 321 Adhesive is a hydraulic binding agent based, highly polymer-modified quick-drying thin-bed adhesive for full surface setting and laying of wedi building boards, wedi Fundo Shower Bases and wedi Subliner to the substrate. The flexible adhesive can also be used on plasters made from:

- cement
- lime
- gypsum
- screed
- concrete
- mastic asphalt
- insulating boards
- aerated concrete
- gypsum fibre boards
- wedi sealing system
- prefabricated concrete elements (after fully cured)

SUBSTRATE PREPARATION FOR WEDI

wedi 321 Adhesive is designed to adhere all wedi building boards, wedi Fundo Shower Bases and wedi Subliner directly to the structural substrates of Concrete and Wooden Substrates including Particleboards as long as the following requirements have been undertaken:

- Ensure the surface is sound and free from residues, oil, waxes, grease or other contaminants acting as possible bond breakers must be removed.
- Deflection of all subfloor installations must not exceed L/360-720 for ceramic tile installations and for dimensional stone installations over wedi product. Under consideration of live and dead loads measured between joists.
- Any leveling of the subfloor must be done prior installing wedi product and tile. Ensure all concrete slabs cure for at least 7 days in accordance with AS 3958.1-2023 and have a wood float finish. The maximum variation in the plane of the concrete must not exceed 5mm in 3 metres for floors and 4mm in 2 metres for walls.
- A wedi installation does not replace the need for expansion and/or movement joint placement within a tile installation. Please follow recommendations.
- Existing cracks in subfloor must be filled and secured.
- Concrete slabs or other structural cement based substrates must be fully cured (at least 28 days but up to 3 months for new Portland cement based concrete or lightweight concrete under normal conditions, mix ratio and ambient climate). Field verification of full cure.

MIXING

wedi 321 Adhesive must be mixed with 2.5 - 3 litres of cool water in a clean container and mixed vigorously and evenly (spiral mixer) until a smooth, lump-free and paste-like mortar is formed. Mix for at least 2 minutes and allow to stand for 5 minutes, and miz a second time for 2 minutes.

APPLICATION & FIXING WEDI

All wedi products should be installed in accordance to the technical installation methodology. For further information please visit our website at ardexaustralia.com or ardex.nz.co.

FIXING TILES / STONE / GLASS MOSAIC

Tiles must be fixed in accordance with Australian Standard AS 3958.1-2023. Apply the adhesive using a square-notched trowel.

First apply the wedi 321 Adhesive with a smoothing trowel to create a contact layer on the surface. Then use a suitable notch trowel through the product to ensure full-surface bonding of the tiles. Depending on the absorbency of the surface and the air temperature, the adhesive can be pre-applied on one go for a large area (approx. 1–1.5 m^2, open time approx. 30 minutes). Under no circumstances must the mortar bed be allowed to form a skin (test with your finger), wedi 321 Adhesive has an open time of approx. 30 minutes at 23°C and an adjustment time of 60 minutes. Please be aware site conditions when considering times and only spread enough adhesive so that the wedi and tiles can be fixed while the adhesive is still wet. Do not spot fix the tile. Remove all excess adhesive before the adhesive dries.

TECHNICAL DATA

CHARACTERISTICS	VALUES
Mix ratio	2.5 - 3 Ltrs per bag
Application time (open time)	30 mins approx.
Realignment time	30 mins approx.
Application temperature	5°C - 35°C
Bed thickness	up to 5mm

wedi 321 ADHESIVE

Cement Based Flexible Adhesive

PACKAGING
10kg bag

CLEANING
Immediately remove all product from tools and exquipment. Mechanical methods may be required for removal once product has cured.

SHELF LIFE
wedi 321 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.

LIMITATIONS
Do not over water product. Dimensional instability in natural stone ranges is often difficult to detect visually and may require thermal and moisture stability testing to ensure that adhesive recommendations can be warranted. Contact your supplier for further information or ARDEX Technical Services for information and testing (technicalservices@ardexaustralia.com).

Before any substrate preparation, installation or finishing methods relating to wedi products are undertaken, please be aware of any potential risks and use appropriate PPE (personal protective equipment). This may involve contacting substrate manufacturers for Safety Data Sheets.

SAFETY DATA
Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. Suspected of causing genetic defects. May cause cancer. Causes damage to organs through prolonged or repeated exposure. Do not breathe dust/fume. Wear protective gloves, protective clothing, eye protection and face protection. Store in a well-ventilated place. Store locked up. Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation. Additional information is in the Safety Data Sheet (SDS) at ardexaustralia.com or ardex.nz.co.

GUARANTEE
ARDEX Australia Pty Ltd ("we" or "us") guarantees this product ("our goods") is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of purchase. Our liability under this guarantee is limited at our option to replacement of the product, repair of any damage to the immediate surface or area of application of the product, or compensation, in each case if we are satisfied loss or damage was due to a breach of this guarantee. This guarantee does not apply if damage or loss is due to failure to follow published instructions or any act or circumstance beyond our control, including shade variations and efflorescence. If you wish to make a claim under this guarantee you must notify us (ARDEX Australia Pty Ltd, 2 Buda Way, Kemps Creek, NSW 2178; Toll Free: 1800 224 070; Email: technicalservices@ardexaustralia.com) and provide evidence of your purchase of the product within 30 days of any alleged loss or damage occurring. We reserve the right to ask you for satisfactory evidence of any alleged loss or damage. Any claim under this guarantee is at your cost. This guarantee is in addition to any rights or remedies you may have as a "consumer" under the Australian Consumer Law and to that extent you need to be aware that: "Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss of damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure".

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 Standards. Our instructions and recommendations are only for the uses they are intended. Users are advised to confirm that this product is suitable for their application and conforms with the specifications of the system. 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 or industry guidelines, may affect specific installation recommendations. 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.

© ARDEX Australia Pty Ltd 2026.

All aforementioned products are the trade marks of ARDEX Australia Pty Ltd, its licensors and affiliates.

This data sheet was issued in November 2026 and is valid for 3 years, in some instances a newer version may be published. Always refer to www.ardexaustralia.com for the latest technical data from ARDEX Australia Pty Ltd.