# ARDEX WJ 50

## Non Shrink Coloured Wide Joint Grout

Suitable for internal & external, wall or floor applications

Ideal for use in joints from 2mm up to 50mm

Improved colour consistency - special additive to combat efflorescence

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# ARDEX WJ 50

## Non Shrink Coloured Wide Joint Grout

### DESCRIPTION
ARDEX WJ 50 is a sanded, cement-based grout for internal or external wall and floor tiling. It is ideal for use in joints from 2mm up to 50mm wide without shrinkage. A special additive is included to combat efflorescence and achieve superior colour consistency. ARDEX WJ 50 is exceptionally easy to use, available in a range of colours and is suitable for both commercial and residential applications.

### FOR GROUTING (TILE TYPES)
- Ceramic tiles
- Terrazzo
- Slate
- Quarry tiles
- Natural stones (excluding dimensionally unstable or moisture sensitive)

### SURFACE PREPARATION
Ensure sure joints are clean and free from dust, excess adhesive and bedding mortar. With porous tiles or hot conditions, dampen joint and tile edges with water (but not so wet that water remains in the joints) before grouting to avoid dehydration of the grout. Do not grout until the adhesive has set firmly. All 'spacers' must be removed from joints.

Prior to grouting, it is advisable to check ease of cleaning with tiles that have a textured or matt surface.

### MIXING
ARDEX WJ 50 powder is added to clean water in a clean container whilst stirring thoroughly to give a lump free, firm, low slump mortar. Allow to stand for 2 minutes and remix prior to application. A 5 kg bag of WJ 50 requires 0.9 litres of water and a 20kg bag of ARDEX WJ 50 requires approximately 3.6 litres of water. Grout may be re-stirred occasionally, but do not add additional water.

The pot life of the mixed mortar is approximately 1 hour at 23°C and 50% relative humidity. For swimming pools and use over timber floors, mix ARDEX WJ 50 White with approximately 4 litres of undiluted ARDEX Grout Booster.

### APPLICATION
Work grout into the joints using a rubber trowel. Compact the grout firmly into the joints ensuring they are completely filled, minimising the amount left on the tile surface. Allow the grout to firm up in the joint before clean-up.

For tiles set on a thick bed of adhesive, it is preferable to ensure the adhesive has fully cured so as to minimise the chance of moisture affecting the colour of the grout.

Wipe tile surface with damp dense sponge, working diagonally across tile joints. Use a minimum amount of water to avoid water float and/or shade variation, efflorescence and shrinkage. Any dry film remaining on the tile surface can be removed when the grout has hardened in the joints by polishing the tile surface with a dry cloth, making sure no smears are left on surface.

For best results in warm condition, keep the joints damp with clean water after hardening begins to ensure correct hydration / curing.

In exterior conditions it is essential to provide protection from all extremes of climate during the whole fixing and grouting operation and for as long as possible afterwards.

### DRYING TIME
Approximately 24 hours at 23°C and 50% relative humidity. Grout joints can be sealed once fully dried, usually after 24 hours. Allow longer for dense tiles, lower temperatures or high relative humidity.

### COVERAGE
Coverage will vary according to tile size, joint width and depth, as well as the method of application and on site condition. Allow an additional 15 - 20% for wastage.

Visit ardexaustralia.com to use the online grout calculator for required materials.

| Tile Size (mm) | | | Coverage in kg/m² | | | |
|---|---|---|---|---|---|---|
| | | | Joint Width | | | |
| | | | 8mm | 10mm | 15mm | 20mm |
| 200 | 200 | 10 | 1.6 | 2.0 | 2.9 | 3.0 |
| 300 | 300 | 10 | 1.0 | 1.3 | 2.0 | 2.6 |
| 400 | 400 | 10 | 0.8 | 1.0 | 1.5 | 2.0 |
| 500 | 500 | 10 | 0.6 | 0.8 | 1.2 | 1.6 |
| 600 | 600 | 10 | 0.5 | 0.7 | 1.0 | 1.3 |

### PACKAGING
ARDEX WJ 50 is packed in polylined paper sacks – net weight 20kg.

### SHELF LIFE
ARDEX WJ 50 has a shelf life of not less than 12 months for 20kg when stored in the original, unopened packaging, in a dry place at 23°C and 50% relative humidity.

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### COLOURS
ARDEX WJ 50 is available in the following 6 colours:

| | |
|---|---|
| Charcoal | (505) Available in 20kg |
| Neutral | (504) Available in 20kg |
| Mid Grey | (503) Available in 20kg |
| Light Grey | (501) Available in 20kg |
| White | (514) Available in 20kg |
| Sand Beige | (502) Available in 20kg |

### COLOUR DISCLAIMER
Grout colour samples are for reference only. ARDEX uses advanced colour matching and strict quality controls, but slight variations may occur due to lighting, visual effects, site conditions, and natural material characteristics. ARDEX recommends testing a small section before full installation.

### Pay attention to the following

- Do not use ARDEX WJ 50 for chemical resistant joints, use ARDEX epoxy grouts.
- For porous tiles a minimum joint width of 5mm is recommended
- Porous face tiles e.g., terracotta, should be sealed prior to grouting to prevent staining.
- ARDEX WJ 50 has a special additive to reduce efflorescence, this may still occur at low temperatures and wet conditions, especially in external applications. The effect, whilst more noticeable in dark coloured grouts, is also evident in the discolouration of lighter grouts. Keeping the amount of water used in the mixing and clean up of grouts to a minimum will reduce initial efflorescence
- ARDEX does not guarantee against shade variations and efflorescence caused by factors beyond its control, including nature of cement, job site conditions, finishing techniques and uneven drying conditions.
- In swimming pool applications, colours may bleach over a period of time. Use ARDEX WJ 50 White mixed with undiluted ARDEX Grout Booster. The chemical balance of swimming pools must be maintained, full cure and ready for chemciials after 14 days.
- For commercial pools or spas ARDEX epoxy grouts are recommended.
- Some polished or stone surfaces may be prone to scratching, always conduct a trial application prior to use.
- For expansion or movement joints, use ARDEX Silicone sealant.
- Before any substrate preparation, installation or finishing methods relating to ARDEX product 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.

| TECHNICAL PROPERTIES | |
|---|---|
| Colour | Various |
| Mixing Ratio 5kg | 0.9 litres of water |
| Mixing Ratio 20kg bag | 3.6 litres water |

| APPLICATION PROPERTIES AT 23°C AND 50% RH | |
|---|---|
| Pot Life | 1 hour |
| Drying time | 24 hours |

| MECHANICAL PROPERTIES (ISO 4992)<br>Tensile Adhesion Strength after | |
|---|---|
| Compressive Strength (28 days) | 15 MPa |
| Flexural Strength (28 days) | 4 MPa |
| Classification | CG1 |

### QUALITY PRODUCT
ARDEX WJ 50 is manufactured and tested to ARDEX procedures which are maintained in accordance with Quality System Standard ISO 9001. For further safety data, consult the latest Safety Data Sheet at **ardexaustralia.com** or **ardex.co.nz**

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### SAFETY DATA

**Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. Suspected of causing genetic defects. Causes damage to organs through prolonged or repeated exposure**

Wear protective gloves, protective clothing, eye protection and face protection. Do not breathe dust/fumes. Wash all exposed external body areas thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice / attention. Immediately call a doctor. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice / attention. Take off contaminated clothing and wash it before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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.co.nz**

### 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.

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