



ARDEX CE 760

Rapid Setting High Build Repair Mortar

Polymer modified

High early strength

Trafficable after 2 hours

Chloride and sulphate resistant

Low shrinkage class C shrinkage compensated

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Rapid Setting High Build Repair Mortar

DESCRIPTION

ARDEX CE 760 is a rapid setting, high early strength polymer modified cementitious structural repair mortar, suitable for a wide range of civil engineering applications where rapid return to service is critical.

ARDEX CE 760 is formulated using special blend of aggregates and advanced cement additives which form a Class C, high strength, highly durable repair mortar capable of being hand applied up to 50mm on vertical, horizontal and 30mm on overhead applications.

USES

- Fairing coat
- Bug hole repairs
- Structural Repairs
- Marine structures
- Architectural repairs
- Precast concrete repairs

SURFACE PREPARATION

The substrate must be clean, sound, and free from all grease, oil, dust, laitance, and other surface contaminants such as curing membranes. Damaged or contaminated concrete must be removed to obtain a good bond to the substrate.

Cut the edges of the repair vertically to a minimum depth of 10mm until the area is squared or boxed in shape. Greater depth is required for heavy-duty trafficable applications.

Exposed reinforcing steel should be cleaned (Class ST3) to remove all residual rust and concrete residue. Concrete should be removed from around and behind all corroding rebar to avoid future contamination of the repaired area. The substrate must be prepared correctly to remove all the deteriorated and detached concrete until a strong substrate with a rough surface is obtained (minimum CSP 5). Any areas previously repaired and which are not perfectly bonded must also be removed.

PRIMING FOR REINFORCEMENT STEEL

To the prepared reinforcing steel, apply one continuous and uniform coat of ARDEX BR 10 ZP. If a continuous and uniform coat has not been achieved, apply a second coat of ARDEX BR 10 ZP once the first coat has dried (1hr @ 20°C). Again, allow the second coat to dry before continuing with the repair. ARDEX BR 10 ZP should be cured prior to applying the ARDEX CE 760.

If ARDEX BRX 60 LO Anodes are to be installed, please refer to the Product Datasheet for surface preparation, rebar priming, and installation methods.

PRIMING

To reduce the porosity of the substrate, priming the prepared substrate with ARDEX WR Prime is recommended. Alternatively, the prepared substrate can be pre-soaked using water for at least 2 hours before applying ARDEX CE 760. Remove excess freestanding water on the surface prior to the application of ARDEX CE 760. The surface should be Saturated Surface Dry (SSD) without standing water.

MIXING

3.6 – 4.0 Ltrs of clean water per 20kg bag.

Measure approximately 80% of the required water into a clean suitable sized pail and then add the entire contents of the bag while mixing with a heavy-duty electric drill on medium speed (approximately 680rpm). Add the remaining water and mix for about 2 – 3 minutes or until it is fully homogenized. The mixed material must be applied immediately for best results. Mix only the amount of material that can be placed within 10-20 minutes.

APPLICATION

ARDEX CE 760 is to be applied onto the prepared primed substrate. Ensure the patching mortar is applied whilst the priming layer is still wet (wet-on-wet). Apply using a trowel or by hand (wearing chemically resistant gloves). The material must be sufficiently forced and compacted to the primed substrate, paying close attention around the prepared exposed reinforcing steel ensuring all voids are filled.

Minimum application thickness is 10mm. If repair mortar slumps, remove all ARDEX CE 760 and re-apply after repriming the substrate, then apply the repair mortar at a reduced thickness. Application temperature must be between 5°C - 35°C, paying close attention to substrate temperature and environment conditions.

FINISHING

Once the mortar has set to a stiffened consistency, and the surface is hard enough, work can begin on the surface finish. The surface finish can be dense and smooth by using a wooden or plastic float, or coarse and sandy by using a sponge to give the required effect. Ensure not to overwork the surface.

CURING

It is recommended to apply a curing compound in a consistent film immediately after finishing. Alternatively after the product has set, wet hessian with polythene sheeting taped down at the edges can be used for a minimum 7 days.

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TECHNICAL DATA

Mixing Ratio	3.6 – 4.0 Ltrs of clean water per 20kg bag
Yield	11.6 – 12.2 Ltrs of @ 19% water
Application thickness	10mm - 50mm
Max Particle Size	0.6mm

CHARACTERISTIC	TEST METHOD	TEST RESULT
Compressive Strength		
4 hours		≥ 35MPa
1 day	EN 12190	≥ 40MPa
7 days		≥ 50MPa
28 days		≥ 60MPa
Pot Life		20mins @ 25°C
Fresh Wet Density		1950 - 2050 kg/m ³
Setting time	ASTM C953	Initial - ≥ 25mins Final - ≤ 45 mins
Fresh Density	BS EN 1015-17-2000	2250 ± 100kg/m ³

Technical data according to ARDEX Quality Standards. All data based on a partial, in-lab mix at 23±2°C and RH 55±10%, water powder ratio 0.19.

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RENDER APPLICATION

ARDEX Render can be applied over the cured patch repair area. The surface may need to be roughened (light grinding) prior to render application. All curing compounds must be removed prior to ARDEX Render application.

Approved ARDEX Render products include:

- ARDEX WR 100
- ARDEX WR 80 FR
- ARDEX WR 120 FR

PROTECTIVE COATING

ARDEX CE 760 can be left exposed, but to ensure structure longevity it is recommended to apply an ARDEX Protective Coating. The surface may need to be lightly roughened (cup grind) prior to coating application. All curing compounds must be removed prior to ARDEX Protective Coating application. The protective coating will also provide ARDEX CE 760 a decorative and uniform appearance to the structure.

Approved ARDEX Protective Coatings include:

- ARDEX WPM 310
- ARDEX WPM 330

CLEAN UP

All equipment shall be thoroughly washed with clean water after mixing operations are completed.

PACKAGING

20kg bags.

SHELF LIFE

ARDEX CE 760 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 part mix bag, always mix full bag. Not to be exposed to imminent rainfall prior to final set, or moving water during application. Do not apply in temperatures 5°C and falling, or extreme hot temperatures.

Before any substrate preparation, installation or finishing methods relating to ARDEX 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. 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 locked up. Store in a well-ventilated place. Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation. Always refer to product safety datasheet (SDS) at ardexaustralia.com.au.

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 to 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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This data sheet was issued in April 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.