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# ARDEX BR 200

## General Purpose Repair Mortar

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Easy to use

Reinstatement of spalled concrete

Non-slump, can be trowelled or spray applied

For internal and external applications



**ARDEX-QUICSEAL SINGAPORE PTE. LTD.**

26 Tuas Ave 4 Singapore 639376

Telephone: +65 6861 7700

Fax: +65 6741 4666

Email: [sales@ardex-quickseal.com](mailto:sales@ardex-quickseal.com)

Website: [www.ardex-quickseal.com](http://www.ardex-quickseal.com)

# ARDEX BR 200

## General Purpose Repair Mortar

### DESCRIPTION

ARDEX BR 200 is a single component ready to use polymer modified cementitious repair mortar for structural repair of concrete structures. It is a medium weight repair mortar and can be applied in both vertical and overhead applications with minimum difficulty.

The high polymer content ensures low oxygen and carbon dioxide diffusion, high resistance to water penetration, chloride and sulphate attack and outstanding adhesion.

### USE

- Re-instatement of concrete affected by chloride attack or carbonation
- Re-profiling of concrete surfaces precast units, curbstones etc.
- Filling of honeycombs, blow holes, tie bar holes
- Repair of spalled, cracked (static cracks only) chipped concrete surfaces
- Re-aligning walls prior to tiling

### FEATURES & BENEFITS

- Pre-weight factory controlled product
- Shrinkage compensated
- High bond strength
- Suitable for both exterior and interior applications
- Non-slump and high build up to 40 mm can be achieved, depending on the geometry of the penetration

### SUBSTRATE PREPARATION

The substrate must be dry, clean and sound, free of dust, loose particles, grease or any other contaminants.

Conventional curing compounds should be removed prior to the application of ARDEX BR 200. All shrinkage and non-moving structural cracks should be rooted out.

### APPLICATION

New Construction:

Where ARDEX BR 200 is being applied for the re-profiling of concrete surfaces, filling of blow holes,

honeycombs, etc. ensure that the surface is damp but free of standing water.

Due to its unique properties, ARDEX BR 200 can be feather edged.

Repair Work:

Saw cut the perimeter area of the repair area, ensuring all damaged concrete is removed cutting back to sound level. Ensure that corroded reinforcement is exposed, repair defective reinforcement where necessary. Remove all traces of rust by use of power tool; wire brushing, etc.

### PRIMING

All exposed reinforcement bars must be cleaned and treated with ARDEX anti-corrosion primer; ARDEX BRP 100/ARDEX BR 10 ZP SE saturate the area to be repaired, remove any access. For optimum adhesive results, prime the repair area with ARDEX Abacrete primer or slurry coat of ARDEX BR 200 + Abacrete bonding agent (1:1 pbw) before installing ARDEX BR 200 repair mortar while is still tacky and wet.

Re-prime if primer or slurry coat has dried.

### MIXING

|              |                                   |
|--------------|-----------------------------------|
| ARDEX BR 200 | Approx. 4.5 L of water            |
| OR           |                                   |
| ARDEX BR 200 | * Approx. 4.5 L of ARDEX Abacrete |

\* for high bond strength application.

Mix slowly and continuously whilst the powder is added. Mix for 2 - 3 minutes thoroughly until a smooth mortar is obtained.

### PLACING

Apply the mixed ARDEX BR 200 mortar to the wet primer. The geometry of the repair will dictate the method of application. ARDEX BR 200 can be applied at 40 mm thickness in one pass. However the normal application thickness is 10 mm to 40 mm.

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### CURING

ARDEX BR 200 repair mortar should be cured with good site work practice and protect from direct sunlight and windy conditions. Best results can be obtained by using ARDEX curing agent.

### COVERAGE

One bag of 25 kg yield for approx. 15.5 litres or 0.016 m<sup>3</sup>.

### TECHNICAL DATA

|                                    |                          |
|------------------------------------|--------------------------|
| Wet Density:                       | 1.9 - 2.1 kg/ml          |
| Colour:                            | grey                     |
| Mechanical properties:             |                          |
| Compressive Strength:              | ≥ 45 N/mm <sup>2</sup>   |
| Flexural Strength:                 | ≥ 6 N/mm <sup>2</sup>    |
| Adhesion Strength:                 | ≥ 0.80 N/mm <sup>2</sup> |
| Chloride Ion Content (EN 1015-17): | < 0.05%                  |

### PACKAGING

ARDEX BR 200 is packed in paper sacks incorporating a polyethylene liner – net weight 25 kg.

### STORAGE

This product must be stored in unopened packaging, clear of the ground in cool dry conditions and be protected from excessive draught. If stored correctly, as detailed above, the shelf life of this product is 12 months from the date shown on the packaging.

### SAFETY PRECAUTIONS

Wear suitable gloves, goggles and other protective clothing. The use of barrier creams can provide additional skin protection. When working in confined areas ensure adequate ventilations. In case of contact with skin, rinse with plenty of clean water then wash with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean

water, and then seek medical attention without delay. If swallowed, seek medical attention straightaway, do not induce vomiting. The application area or site must be in good ventilation otherwise advisable to use a portable exhaust fan.

### DISCLAIMER

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#### OFFICES:

##### Malaysia:

ARDEX QUICSEAL MALAYSIA SDN. BHD.  
No. 35-1, Jalan Puteri 2/3, Bandar Puteri,  
47100, Puchong, Selangor Darul Ehsan  
Telephone: +603 8069 1139  
Telefax: +603 8052 3223  
Email: sales@ardex-quicseal.com

##### Thailand:

ARDEX (THAILAND) CO., LTD  
969 2nd Floor, Moo 13, Soi 45, Bangna-Trad Road  
Bangkaew, Bangplee, Samutprakarn 10540 Thailand  
Telephone: +66 2316 3069 Fax: +66 2316 3075  
Email: sales@ardex.co.th  
Website: www.ardex.co.th

##### Vietnam:

Mobile: +84 901 351 308  
Email: sales@ardex-quicseal.com

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