



ARDEX A 46

External Patching Compound

For external repairs to concrete floors, walls and stairs

Ideal for smoothing surfaces and forming ramps

Quick Drying - Trafficable after 2-3 hours

Easy to install - 2mm to 30mm in one application

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ARDEX A 46

External Patching Compound

DESCRIPTION

ARDEX A 46 is a rapid hardening, rapid drying, slump-free mortar for external repairs. It is ideal for repairing and resurfacing concrete stair treads and risers and concrete subfloors. Also for filling and patching cracks in walls, ceilings, window and door frames, and can be used to form ramps from 2mm – 30mm. Mixed mortar sets after 15-20 minutes and can be subjected to foot traffic after 2-3 hours at 23°C.

SUBSTRATE PREPARATION

ARDEX A 46 can be applied directly to dry or moist substrates provided they are set and hardened and the surface is sound, free of dust, grease, oil and other surface contamination. Worn or trafficked surfaces should be abraded with a diamond grinder or scarifier to remove any contamination and to roughen concrete to expose a clean porous surface to ensure good adhesion. Subfloor temperatures must be a minimum of 10°C, and maximum of 30°C. For further information, contact ARDEX technical services.

MIXING

ARDEX repair products react and harden quickly when mixed with water. Thorough mixing in the shortest possible time is essential to ensure a lump free, slump resistant mortar. Always mix the powder into the water. The most efficient method of mixing is by using an ARDEX mixing paddle and a heavy duty electric drill (650 rpm). To 4.8 - 5.6 litres of water, add the ARDEX A 46 (20kg) whilst mixing thoroughly. Do not overwater. If the mix initially appears dry, continue mixing for a full 2 - 3 minutes until a creamy non-slump mortar is achieved, do not add additional water. The mixed mortar has a working time of 15 - 20 minutes at 20°C. This time will be extended in cooler temperatures, and reduced at higher temperatures.

Approximately 4.8 - 5.6 litres of water to 20kg of ARDEX A 46 powder, or; 1 volume of water to 3.5 volumes of ARDEX A 46 powder.

COVERAGE

Approximately 1.4kg powder/mm/ m2.

ARDEX A 46 can be applied from 2 – 30mm in one application.

APPLICATION

For repairs, apply the mortar with a trowel to holes, cracks and damaged areas, ensuring that the mortar “wets” the surface by trowelling in firmly, leaving the repair proud. After approximately 15 minutes, trim off excess and finish off with a wet trowel, sponge, or

sponge float to obtain a smooth surface. For ramps, work the mortar into the prepared substrates with a trowel. If floorcoverings are to be installed, ARDEX A 46 must be left for 24 hours. If the product is to be coated, it should be left for 2 days up to 5mm, 5 days up to 10mm, 7 days up to 20mm and 10 days up to 30 mm. These times will be shorter in warm conditions and longer in cool conditions. Exterior installations must be protected from direct sunlight and draughts which could lead to accelerated drying of the surface.

LIMITATIONS

ARDEX A 46 is suitable for foot traffic and light duty, soft wheeled, vehicle traffic. Do not use for heavy duty areas such as areas subjected to heavy vehicles, or heavily trafficked areas.

STORAGE

ARDEX A 46 has a shelf life of 6 months if stored in dry conditions in unopened packaging.

TECHNICAL DATA

Characteristic	Result
Bulk density of powder	1.3kg/L
Fresh Mortar Weight	1.8kg/L
Compressive Strength	
After 1 day	10 MPa
After 7 days	15 MPa
After 28 days	20 MPa
Tensile Bending Strength	
After 1 day	2 MPa
After 7 days	4 MPa
After 28 days	6 MPa

Toll Free Technical Services:
4800 224 070 (Australia)
0800 227 339 (New Zealand)

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 New Zealand & Australian Standards, our instructions and recommendations and only for the uses they are intended. 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 effect 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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