



3.05 XPERT REPAIR MORTAR

High Build Cementitious Based, polymer modified Patching and Repair Mortar

PRODUCT DESCRIPTION

XPERT Repair Mortar is a fine filled, light weight, cementitious mortar, specifically formulated for the repair of damaged concrete where a high build is required. The specially selected cements and polymers contained in XPERT Repair Mortar allow the build-up of 70mm without slump and exceptional adhesion to concrete and masonry materials with negligible shrinkage.

ADVANTAGES

- Good adhesion
- High Strength
- Easy application
- Durable

TYPICAL PROPERTIES

CATEGORY	PARAMETERS
Set Times @ 20°C	Initial: 105 minutes Final: 270 minutes
Compressive Strength	1 day: 7 MPa 7 days: 15 MPa 28 days: 27 MPa
Trafficking Time	Pedestrian: 24 hours Light Vehicles: 48 hours

APPLICATION INSTRUCTIONS

Preparation: All contacted surfaces must be free of oil, grease or other contamination which may inhibit bond. Any cracked or weakened concrete should be removed prior to being repaired to provide a solid foundation. Scabbling or water blasting should be used to remove laitance and provide a mechanical key

Priming: Priming with XPERT Grip B is essential to ensure good adhesion and optimum build. Maximum build is achieved while the primer is still tacky. Where the

substrate is very porous pre-dampening with water may be required. Free water on the surface will reduce the bond and ultimate strength. Prime all exposed steel with XPERT Zinc Primer for further protection.

Mixing: XPERT Repair Mortar is suitable for mixing using a drill and suitable paddle or by hand where only a small quantity is required. Use 3.0 - 3.2 litres of water per bag of XPERT Repair Mortar to achieve a smooth, soft mortar consistency. Excess water will reduce the final strength and make application of the render more difficult. Always add the powder to the water while mixing slowly to avoid lumps. Only mix that quantity of material that can be used within the setting time. Do not attempt to rework or retemper any partially set product.

Application: Apply the mixed XPERT Repair Mortar to the substrate using a trowel or gloved hand to give the required finished thickness. Ensure proper compaction around reinforcing bars. The maximum thickness applied in any application should be limited to 70mm. Feather edging must be avoided be used in patch repairs. A minimum thickness of 10mm should be maintained by saw cutting the edge of repairs. Where the depth of repair is greater than 70mm, the repair mortar may be built up in layers with 24 hours between applications. Consult our technical staff for specific advice on the most suitable means of carrying out large scale repairs.

Curing: The application of a thin coat of XPERT Grip B as a curing membrane will reduce premature drying in repairs. Where repairs are subject to direct sun or strong winds the use of Cure con WB is recommended.



CLEAN UP: Clean all equipment with water immediately after use.

Packaging

XPERT Repair Mortar is supplied in 20 kg bags. XPERT Grip B is supplied in 5- and 30-liter containers.

Estimating Data

A 20 kg bag of XPERT Repair Mortar will cover approximately 1.0 m² at an average thickness of 10mm. XPERT Grip B is used at 5 to 7 m² per litre. A scrubbed surface will reduce the area covered by the primer and topping.

STORAGE

XPERT Repair Mortar is a cement-based product which must store in a dry area off the ground.

PRECAUTIONS

Where temperatures less than 5°C or greater than 35°C

are encountered, contact our Technical Staff for specific advice. XPERT Repair Mortar is non-toxic, but it is alkaline in nature. Any contact with eyes or skin should be washed off with clean water. Protective gloves and clothing should be worn.

NOTE

Material safety data sheets for these and all XPERT products are available on request. Read the MSDS and product label carefully before using. All reasonable care is taken in the compilation of this data sheet. All recommendations regarding use are made without guarantee as the conditions of use are beyond the control of the manufacturer.

WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to XPERT Construction Chemicals ("XPERT") quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose.

Satisfactory results depend upon many factors beyond XPERT's control. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from his or her direct use, indirect use or consequential to their use of the product.

- XPERT shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.
- XPERT's sole responsibility shall be to replace that portion of the product, which proves to be defective.
- Any warranty claim must be made within six (6) months from the date of the claimed breach.
- This limited warranty applies only if the product was properly installed and used according to all instructions.
- This limited warranty applies only if the was properly stored prior to use.