



Multifix[®] NANOFIX[®]-300

High Strength Cementitious Tile Fixing Adhesive for Wall

PRODUCT DESCRIPTION:

Multifix-Nanofix-300 is a most suitable grade for high performance application as a floor and wall tile adhesive. It is manufactured for adhesion of high formatted tiles (1.2 metre length) with its extended workability, ideal for both interior and exterior applications and unaffected by frost. **Multifix-Nanofix-300** adheres to most common building substrates i.e. concrete, sand/cement render and screeds, brick and block-work.

TECHNICAL DATA:

Description	Results
Standards	IS 15477:2004 Type II, EN 12004: C2T
Initial Tensile Strength, EN1348	>1 N/mm ²
Tensile Adhesion Strength after Heat Aging, EN1348	>1 N/mm ²
Tensile Adhesion Strength after Water Immersion, EN1348	>1 N/mm ²
Bond after Freeze/thaw, EN1348	>1 N/mm ²
Open Time, EN 1346	20 Minutes
Vertical Slip, EN 1308	<0.5 mm
Final Set	24 hours depending on Temperature and substrate
Colour	Grey & White
Bed Thickness & Coverage	3-12mm, 4.6 kg per m ² for 3mm thk
Packaging	20/25 kg
Storage	Store above 5 °C and below 30 °C
Shelf Life	6 months in above conditions

USES:

Substrates: cement & gypsum based renders/screed, concrete, heated floors, waterproofed surface, overlay products

Materials: ceramic tiles, porcelain tiles, terracotta, marble & natural stone, mosaic tiles, insulating & soundproofing panels

Area of use: Floors and walls, internal and external use, swimming pools and fountain, saunas & spa, domestic, commercial and industrial



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MULTIFIX-NANOFIX 300/2015/R1-2019



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APPLICATION DATA:

Surface Preparation:

Ensure that the surface substrate being adhered to is clean, dry and firm. The surface should be free from dust, dirt, oil and grease or any other contaminants. For heavy tiles/stones, it is very important that the surface is strong enough to support the weight of the tile/stone and adhesive. To encourage best adhesion to your substrate it is advisable when applying adhesive to porous surfaces that the area be primed. **Super-Add-P/FlexiBond** is an ideal surface primer, as it will help to prevent water penetration, increase bond strength.

Installation Methods:

Multifix-Nanofix-300 should be added slowly to approximately 5 lit of water and should be mixed thoroughly to give a slum free easily worked adhesive. The mix proportions by volume are approximately 4 parts **Multifix-Nanofix-300**: 1 part water. Once the adhesive is fully mixed it is immediately ready for use and has a working time of approximately 1 hour at a temperature of 25 °C. We strongly advise that you do not mix more than can be used in this time and do not re-wet.

Apply the adhesive to a thickness of 3-6 mm up to 1 m at a time. On internal walls use a notched trowel, leaving ribs i.e. 3mmX 3mm at 6mm centres for mosaics, 5mmX 5mm at 10 mm centres for wall tiles, use the solid bed trowel method.

Large studded tiles should be buttered. Bed the tiles in with a slight twisting action. Leave spaces between the tiles for grouting (approximately 1-3mm for walls). Clean off excess adhesives from the tile face and grout lines with a damp cloth before it sets.

Grouting:

Leave for approximately 24 hours before grouting and/or walking on tiles (longer time may be required on impervious surfaces). Please consult our product guide for the recommended grout for application.

CLEANING:

All tools should be cleaned with water immediately after use.



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STORAGE:

Store in dry, frost-free conditions at moderate temperature not **greater** than 30 °C.

SAFETY DATA:

- Irritating to eyes, respiratory systems and skin.
- Risk of serious damage to eyes.
- Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
- After contact with skin, wash immediately with plenty of clean water.
- Wear suitable protective clothing, gloves and eye/face protection.

Please consult our technical department for further information.

WARRANTY

Multichem warrants **MULTIFIX[®]** adhesives and grouts to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of **MULTIFIX[®]** adhesives and grouts.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor authorizes any person to assume for Multichem any liability in connection with the sale and installation of **MULTIFIX[®]** adhesives and grouts.

Because of constant improvement of manufacturing techniques and formulations, Company reserves rights to change this datasheet and its contents without prior notice.



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