

# POWER PROTILE BOND

Modified Cement Based Water Resistant Tile Adhesive



## PRODUCT DESCRIPTION

Power Protile Bond can be used on new concrete, old concrete, cement plaster and brick and block work. It also can be used for spot bonding of insulation materials such as polystyrene. When using ceramic tiles of low water absorption such as fully vitrified, quarry tiles, natural stone, marble and slate, mix Power Protile Bond with/without Power Protile Bond Latex should also be used on more difficult surfaces including that subject to continual dampness, wooden floors, particle board, gib board walls, old tile floors, vinyl asbestos flooring, linoleum.

## PREPARATION

The substrate should be free of dust, grease, dirt, loose plaster, laitance, curing compound, paint etc. New concrete should be sufficiently aged and shiny smooth surfaces on old concrete should be acid etched or scabbled. Any surface in doubt should be primed with Power Protile Bond Latex brushed on straight from the container. Allow to become tacky before tiling. All substrates should be securely fastened and properly supported to eliminate any movement which may cause cracking.

## MIXING

For Normal Use: 4.8 to 5.0 liters of water are required for each 20 kg bag or Power Protile Bond adhesive. A slow speed drill fitted with a suitable mixing paddle is recommended. Add powder to water and mix until a uniform, lump free consistency is achieved.

For Big Projects: Add Power Protile Bond Latex (approximately 5kg to 1 liter of latex) while continually stirring, preferably with a mechanical stirrer, until a smooth and lump free workable paste is achieved. Allow to stand for 5-10 minutes and then re-stir again before use. Do not aerate the mix by stirring over —vigorously or for too long. The mix should be stiff enough to keep its shape when spread with a notched trowel.

from adhesive from between the tile faces with a damp sponge before the adhesive sets. Grouting may be undertaken after 24 hours but allow a further 24 hours before general use.

## COVERAGE

- 1.5kg per sq. meter for mosaics using 4mm notched trowel.
- 2.5kg per sq. meter for ordinary ceramics using a 6.5mm notched trowel.
- 4.0kg per sq. meter for large tiles using a 10mm notched trowel.

## STORAGE

12 months in original sealed bags in dry storage.

## PACKAGING

Power Protile Bond is packed in 20kg bags.

## TECHNICAL INFORMATION

CATEGORY	PARAMETERS
Density	1200 kg/m <sup>3</sup>
Shear strength as 2358:1980	1.7 MPA
Tensile Strength (28 days)	1.0 MPA

## APPLICATION

Spread the adhesive evenly with a notched trowel, and lay the tiles with a good pressure, twisting to ensure good contact with the adhesive. In more demanding exterior situations, or if tiles with high ribs or lugs are being used, it is preferable to spread the backs of the tiles with a thin layer of adhesive before laying. Remove excess adhesive



www.powerchemicalspk.com | Email Id: info@powerchemicalspk.com

Office # 10-B, Ziarat Trade Center Tarnol Islamabad-Pakistan