

TILE ADHESIVE & COLOR GROUT SERIES

412 AMERICAN TILE GROUT COARSE (5 – 12 mm)

- For joint width 5 - 12mm
- Good abrasion resistance
- Good flexural strength
- Good compressive strength
- Alkaline resistance
- Durable and well distributing colors
- Good adhesion
- Excellent anti-fungus
- Low shrinkage
- Water resistance

US MIRACLE 412 American Tile Grout Coarse is a high performance polymer modified cementitious tile grout for interior or exterior walls and floors grouting with joint width of 5 - 12mm. Product complied with CG2WA class of EN 13888 standard.



USAGE

- For grout joint widths of 5 - 12 mm (or narrowed joints use US MIRACLE 410 American Tile Grout Fine)
- For all types of ceramic tiles, mosaic, porcelain, terrazzo tiles, natural stone, marble, granite, etc.
- Grouting interior and exterior floor and walls
- For using on wet areas such as, kitchen, bathroom, and swimming.

COMPLIED STANDARDS

- European Norm: EN 13888 : 2002 CG2
- British Standard: BS 5980 : 1980 Part 7.9
- Chinese Standard : JC/T 1004:2006 CGWA

SURFACE PREPARATION

- Before grouting the joint, wait until the tile adhesive has completely hardened.
- Substrate must be clean, free of dust, oil, grease, loose tile adhesive, and other contaminants.
- Dampen the joints with clean water during the high temperatures.

MIXING

Mix US MIRACLE 412 American Tile Grout Coarse powder with an electric mixer of 25 kg/bag with approximately 4 - 5 Liters of water. Stir the mixture thoroughly for 5 minutes or until a lump free homogeneous mixture is achieved. Allow the mixture to stand for 5 minutes, mix again briefly approx 30 sec and the material is ready for using.

APPLICATION

Product can be applied at least 24 hours after tiling. Before application, dampen the surface with clean water and allow excess water to drain away. Apply the grout paste into the joints with a rubber grout float diagonally over the tiles. Making sure the joints are completely compacted, with no unevenness. Allow the grout to dry for 20 – 30 minutes depending on temperature and humidity, and then use a damp sponge or towel (not wet) to clean excess tile grout from the face of the tiles .

Available in a wide range of colors (Please refer to the color samples).



CURING

Curing time is affected by ambient and surface temperature and humidity. Natural air curing for US MIRACLE 412 American Tile Grout Coarse is enough.

COVERAGE

$$\text{Consumption (kg/m}^2\text{)} = \frac{(\text{Tile length} + \text{Tile width}) \times \text{Tile thickness} \times \text{Gap width}}{\text{Tile length} \times \text{Tile width (kg/m}^2\text{/mm)}} \times 1.7$$

PACKING AND STORAGE

US MIRACLE 412 American Tile Grout is delivered in 25kg or 2 kg per bag. Storage life is 12 months if the product is kept in a dry place.

The information detailed in this datasheet is liable to modifications from time to time in the light of experience & normal product development. To the best of our knowledge, the technical data contained herein are true. Because it is not possible to give specific instructions for various site conditions or control the applications. We reserve the right to modify the information detailed in this datasheet.