



HOLOUL FACTORY

FOR CEMENT PRODUCTS

3D PRINTING MORTAR

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3D PRINTING MORTAR FOR HOLLOW BLOCKS PRE-MIX EX1006-3D

PRODUCT:

PRE-MIX EX1006- 3D is a ready-mix mortar that requires only the addition of water. It is made of cement, graded sand and additives for improved workability, better bonding and water retention. PRE-MIX EX1006- 3D is particularly adapted for mounting regular/hollow blocks, stones, and bricks and to fill gaps between concrete and bricks.

CHARACTERISTICS	
Composition	Cement, graded sand, additives
Appearance	Grey powder
Mix Density	1.95 kg/lit
Grain size	Up to 4mm
Thickness after fixing the block	1 to 2 cm
Pull off strength at 28 days (BS 1881 part 207)	> 0.3 MPa
Compressive strength- BS-EN1994-1-196	13 MPa at 28 days
VOC and formaldehyde content ISO/FDIS 2-11890/GC-MS	None
Resistance to fire as per BSEN 2003 ,2- 998	Class A1



INSTRUCTIONS FOR USE

SURFACE PREPARATION:

The surface should be clean, sound and free from any powder or greasy matter. It must not be over-heated not frozen. In hot weather, the surface receiving PRE-MIX EX1006- 3D should be brushed with some water immediately prior to the application.

PRODUCT PREPARATION:

Using a low speed feeding machine, mix 10 kg PRE-MIX EX1006- 3D with 1.3 to 1.5 liters of clean cool water to obtain a homogeneous paste. If necessary, Adjust consistency by adding water without excess.

PRODUCT APPLICATION:

Apply PRE-MIX EX1006- 3D on the path block base using a 3D printing machine. Place the sucking line onto the mortar ensuring good flow. Check the level and continue with the next path. Remove excess material with a wet sponge before setting. Ideal application temperature is between + 5°C and + 35°C.

CURING:

Protect the newly applied material from sunshine and wind. The new material has to be cured with water for at least three days by spraying 3 to 4 times daily.

YIELD:

1000 kg of PRE-MIX EX1006- 3D with 13 % of clean cool water will give around 550 liters of workable mortar. A 10 kg bag = 5.4 liters approx. of fresh mortar.

STORAGE:

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.



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