

Polymeric Composite 3D Concrete Printer Mortar

PRODUCT DESCRIPTION

It is a fiber-reinforced, high-performance, fluid and fast-drying 3D concrete printer mortar developed for new generation 3D printers, containing fine and thick aggregates, for mold-free production.

FEATURES

It creates structural components layered on top of each other.

It does not crack. It is fiber reinforced.

Provides less workload.

It increases your freedom in design. Provides savings in concrete consumption.

PRODUCT INFORMATION

Chemical Structure : Cement Based

Appearance / Color : Powder / Gray

PERFORMANCE

(23°C, 50% Relative Humidity)

Dry Bulk Density	1350 ± 200 kg/m ³	TS EN 1015-10
Compressive strength 28 days	50N/mm ²	TS EN 196-1
Flexural Strength 28 days	7 N/mm ²	TS EN 196-1

These values were obtained as a result of laboratory experiments carried out in our company and are valid for the performance of finished applications at the end of the full drying period. The values may change as the temperature and humidity values in the construction site environment and the application surfaces and areas will vary.

USAGE AREAS

It is used in a 3D printed system to create structural components layered on top of each other.

1020 TECHNO 3D



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APPLICATION EQUIPMENT

Hand mixer - Steel Trowel - Suitable pump - 3D concrete printer

APPLICATION INSTRUCTIONS

Slowly pour 25 kg of TECHNO 3D onto approximately 4 kg of water and mix with a low-speed mixer until no lumps remain. The mortar is left to rest for 3-5 minutes to mature. It is mixed again before application.

The prepared mortar should be put into the machine and production should continue in a constantly mixing position. Concrete curing should be done as the layers rise. Expired mortar should be disposed of.

LIMITATIONS

To obtain optimum quality, please adhere to the application instructions. Application should be made between +5 C and +30 C. Application should not be made in hot, rainy and windy weather. Application should not be made on surfaces that are at risk of frost. The product should be protected from rain, water, frost and negative external factors until it is cured.

PACKAGING

In a 25 kg kraft bag,

(64 pieces on a pallet, 1600 kg)

CONSUMPTION

Variable

SHELF LIFE

It is 1 year from the date of production in its original packaging in moisture-free and dry environments (temperature between +5 C and +35 C). The mouth of the containers should be tightly closed when not in use. It should be kept away from moisture.

STORAGE CONDITIONS

It should be stored in its unopened original packaging in a moisture-free, dry and cool environment (temperature between +5 C and +35 C). It should not be left under direct sunlight.



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1020 TECHNO 3D



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SAFETY

Since it is cement based, do not breathe the dust and do not contact it with skin or eyes. Use protective gloves, glasses and clothing. In case of eye contact, consult a doctor immediately. Keep out of reach of children. In case of skin contact, wash with plenty of water and soap. Do not swallow. For detailed information and recommendations, please refer to the Safety Data Sheet.

LEGAL NOTES

Our technical data sheet is DEKOSTAR LTD., which has a wide range of usage areas. ŞTİ. It has been prepared to give general information about the products and to show the technical features of the products. It is a recommendation and this information is about the correct application, ground, air, equipment, etc. It is valid under the conditions and when the products are stored under the recommended conditions.

DEKOSTAR LTD. ŞTİ. Since it cannot control the conditions under which its products are used, it does not accept any responsibility for the application result and does not guarantee it. The user of the product must test the suitability of the product before using it.

DEKOSTAR San. will be liable for application errors that may occur if the product is used for purposes other than its intended purpose or if the application conditions and recommendations stated above are not followed. and Tic. Ltd. Ltd. is not responsible and has the right to change the features of its products without notice. Users should always refer to the latest edition of the Product Technical Data Sheet for the relevant product.



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