



Certified MS
ISO 9001:2015
No. Cert. 1118/Δ/2019

DESCRIPTION

Speedo is a high-quality white gypsum binder that is generally used for casting and molding. It hardens quickly and provides a fast setting time making it suitable for a wide variety of uses included decorative elements, fiber reinforced cornice sections, cast panels, tiles, ceiling roses, statuary, articles, and models. Speedo is in accordance to BS EN 13279-1:2008 type A1/4/3 .

FEATURES

- Decorative work
- Molding and casting
- Repairing Cracks
- White powder in 30.3 kg bags
- Fast setting
- Easy and quick application
- Low shrinkage
- Excellent bonding

METHOD OF USE

- **Mixing:** Weigh the necessary quantities of gypsum and water as mentioned below. Any changes of quantities will affect the characteristics of the mix. Water ratio = 65 - 75 % of powder
- **Water:** Use clean water; the presence of organic substances or high concentration of sulfate will reduce the setting time and the quality of the mix.
- **Spreading:** Spread the gypsum between 1 to 3 minutes on the entire surface of the water.
- **Absorption:** Leave the mixture for 1 to 2 mins before mixing.
- **Mixing:** use mechanical blending (three blade mixer, diameter of blade $\frac{1}{4}$ to $\frac{1}{3}$ x height of the mixing bucket), at a speed of 200 to 400 rpm. Avoid high speed since mixing too quick will produce an inhomogeneous mixture. Mixing time is not less than a minute
- Let the mixture rest for a minute and repeat the mixing process.

APPLICATIONS

- The production of fiber reinforced cornice sections, cast panels, tiles, ceiling roses, statuary, articles, and models.
- Molding & casting small elements that need a rapid setting time
- Concealing and filling
- Suspended ceiling
- Decorative elements and casting



No
cracks



Molding
and casting



Low
shrinkage



Excellent
Bonding

PHYSICAL SPECIFICATIONS

SPECIFICATIONS	UNIT	VALUE	STANDARDS
Working time	min	3 – 4	
Setting time	min	8-12	
Flexural strength	MPa	>3	
Compressive strength	MPa	> 12.5	
Density	kg/L	0.75	
Particle size distribution	%	> 95	
Shelf life	-	one year	

REPAIRS

- Use a damp sponge to wet the area to be repaired.
- Fill the crack or hole with Speedo using a knife and flatten it to reach a smooth surface.
- Cover the Speedo layer with one coat of plaster in case of big holes then let it dry and re-apply a second coat.

CASTING

- Pour the mixture into casting mold after preparing.
- Make sure to fill all the volume to avoid air bubbles or voids.
- Leave the mold to dry.
- Carefully remove the mold.

STORAGE AND HANDLING

- Store Speedo away from incompatible material in a cool, dry, ventilated environment.
- Avoid contact with acid, water, and moisture.
- Store away from frost, high temperatures, and direct sunlight exposure.

RECOMMENDATION

- Avoid dust emittance while mixing, opening, and closing the bag. Wear appropriate personal protective equipment to avoid contact with your eyes and skin.

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Manufactured according to ASTM & EN standards by ECOBAT For Industrial Development.