



HYDACEM 3D 45 MORTAR FOR 3D PRINTER

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High strength cementitious M45 grade mortar for precise 3D printing with robot or gantry printers.

OVERVIEW

HYDACEM 3D 45 is a high-performance, M45 grade cementitious mortar specifically developed for 3D robotic and gantry printer applications. Designed for precision and strength, it enables accurate layer-by-layer extrusion and meets the demands of advanced and structurally intensive construction projects. It ensures superior durability, consistency, and long-term performance.

FEATURES & BENEFITS

1. EFFORTLESS MIXING

Single-component formulation—just add water for quick and efficient preparation.

2. EXCEPTIONAL DURABILITY

Compressive strength over 45 N/mm² delivers unmatched structural robustness.

3. RAPID APPLICATION

Pumpable and easy to work with—accelerates the construction process while maintaining high quality.

4. EXCELLENT BUILD QUALITY

Superior buildability allows for stable, high-definition 3D printing with minimal deformation.

5. WEATHER RESISTANT

Withstands freeze-thaw cycles, ensuring performance in extreme weather conditions.

6. ECO-CONSCIOUS

Low environmental impact formulation supports green construction initiatives.

7. MAINTENANCE-FRIENDLY

Smooth, durable finish makes cleaning and upkeep simple and cost-effective.

PRODUCT DETAILS

AVAILABLE PACKAGING

20 kg Bag

COLOUR OPTIONS

Grey

WHY CHOOSE HYDACEM 3D 45?

1. MAXIMUM STRENGTH FOR CRITICAL BUILDS

With an impressive compressive strength of over 45 N/mm², HYDACEM 3D 45 is ideal for heavy-duty and load-bearing 3D printed structures.

2. PRECISION FOR COMPLEX DESIGNS

Engineered for robotic and gantry-based printers, it ensures clean, stable extrusion—perfect for intricate and high-rise 3D builds.

3. SPEED WITHOUT COMPROMISE

Pumpable and fast-setting to accelerate project timelines while delivering consistent structural quality.

4. EXTREME WEATHER RESILIENCE

Freeze-thaw resistant and built to perform in the toughest environmental conditions.

5. SUPERIOR BUILDABILITY

Holds shape exceptionally well, even in tall or complex prints—minimizing slump and deformation.

6. ECO-FRIENDLY CHOICE

Formulated to reduce environmental impact while meeting high technical standards.

7. LOW MAINTENANCE, LONG-TERM VALUE

Easy-to-clean finish reduces ongoing maintenance costs and effort.

End Of TDS