



HYDA CON
Innovative chemical solutions

Technical Data Sheet

HYDACEM 3D 30 MORTAR FOR 3D PRINTER

HYDACEM 3D 30

This high strength cementitious 3D printable mortar is used with 3D robot or gantry printers.

OVERVIEW

HYDACEM 3D 30 is a high strength, cementitious 3D printable mortar of M30 grade, designed specifically for robotic and gantry-based 3D construction printing. It enables precision layer-by-layer extrusion, making it an excellent choice for high-performance and complex construction projects. The product ensures outstanding durability, consistency, and reliability in 3D concrete printing applications.

FEATURES & BENEFITS

1. SIMPLE PREPARATION

Single-component formulation—just add water for quick and hassle-free mixing.

2. ROBUST PERFORMANCE

Compressive strength exceeding 30 N/mm² delivers top-tier durability and structural integrity.

3. EFFICIENT APPLICATION

Pumps easily and supports faster construction, improving jobsite efficiency.

4. SUPERIOR BUILDABILITY

Maintains form during printing for stable, high-quality vertical and intricate structures.

5. WEATHER RESISTANT

Freeze-thaw resistant—built to withstand tough environmental conditions.

6. ECO-FRIENDLY

Environmentally responsible formulation supports sustainable building practices.

7. MAINTENANCE-FRIENDLY

Smooth, easy-to-clean surfaces minimize long-term upkeep.

PRODUCT DETAILS

AVAILABLE PACKAGING

20 kg Bag

COLOUR OPTIONS

Grey

WHY CHOOSE HYDACEM 3D 30

1. BUILT FOR DEMANDING PROJECTS

With an M30-grade formulation, HYDACEM 3D 30 delivers superior strength and stability—perfect for structurally demanding and high-load applications.

2. EXCEPTIONAL STRENGTH

Compressive strength over 30 N/mm² ensures long-lasting, reliable performance in critical construction environments.

3. PRECISION IN EVERY LAYER

Formulated for smooth extrusion and high buildability, enabling sharp detail and structural integrity in complex 3D prints.

4. SPEED MEETS QUALITY

Pumps easily and sets efficiently—accelerating construction without compromising on strength or finish.

5. ALL-WEATHER DURABILITY

Freeze-thaw resistance makes it ideal for use in both extreme cold and hot climates.

6. SUSTAINABLE CHOICE

Designed with a low environmental footprint to support green and responsible building practices.

7. MINIMAL MAINTENANCE

Clean, stable finishes reduce maintenance requirements over the life of the structure.

End of TDS