

Boydur® M12: Methyl Methacrylate (MMA) Mortar, Fast Drying, Strong, and Versatile Two-Component

Boydur® M12 is a two-component rapid repair, anchoring, or floor coating mortar that is methyl methacrylate (MMA) based, solvent-free, and fully cured just 1 hour after application.

Why Choose Boydur® M12?

Fast drying time: It becomes fully dry and ready for use in just 1 hour. This saves you time and accelerates your projects.

Strong durability: With technical features such as compressive strength and flexural strength, it provides long-lasting protection to your floors. It can be effectively used even in areas with heavy traffic.

Versatile application: Boydur® M12 is an ideal choice for various application areas. It is effective in different areas, ranging from rapid repair of dangerous potholes and cracks to the restoration of curbs and stair edges, and the correction of train and metro rails.

Durable structure: It is 100% resistant to atmospheric conditions and adapts to floor movements due to its flexibility. With these features, it offers a long-lasting and permanent solution.

Where Can It Be Used?

Boydur® M12 stands out with its long-lasting and durable structure. It is 100% resistant to atmospheric conditions and flexible with the applied surface. Therefore, it is preferred for surfaces with heavy traffic or exposed to chemical substances, such as military areas, airports, ports, industrial areas, factories, warehouses, urban and rural roads, bridges, and parking lots. It is an ideal choice for those seeking a fast and permanent solution for floor repairs.

Technical Specifications:

Form: Two-component (Resin+Filler)

Color: Concrete gray, green, burgundy, black

Consumption: 2000 kg/m³

Compressive Strength: 34 N/mm²

Flexural Strength: 24 N/mm²

E-Modulus: 4350 N/mm²

Ball Pressure Strength: 41 N/mm²

Drying Time (20°C): Approximately 1 hour

Application Time: Approximately 25 minutes (after mixing the components)

Shelf Life: 6 months in a dark and dry environment at 20°C without opening the packaging

Packaging: 18 kg (A+B Set)

The materials you need for surface preparation are as follows: • Boydur® A10 primer

- Boydur® FA roughener
- Roller and brush
- Hilti
- Sandpaper
- Trowel or spatula
- Boydur® S-90 cleaner

Application Process:

Surface Preparation:

- Ensure that the surface to be applied is dry, clean, and sound.



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- If a hardener has been applied to the surface, roughen the surface using Boydur® FA roughener.
- Apply Boydur® A10 primer and wait for approximately 1 hour for it to dry.

Repair Application:

- Mix Boydur® M12 components A and B and ensure it has a flowing concrete mortar consistency.
- Pour the material onto the surface and spread it with a trowel or spatula.
- Smooth the surface and remove any imperfections using sandpaper.
- Clean the application tools with Boydur® S-90.

Anchoring Application:

- Prepare the floor by priming it with Boydur A10 primer.
- Determine the area where the product will be installed and prepare it accordingly.
- After completing the installation of the products, fill any gaps and repair holes in the floor with Boydur M12.
- Thanks to the fast curing time of Boydur M12, the area can be reopened to normal traffic after approximately 1 hour. This ensures the strengthening of the anchoring application and achieving a smooth surface.

Industrial Floor Coating Application:

- Boydur® M12 provides effective results in industrial floor coating applications.
- Start with the use of Boydur A10 primer, apply Boydur A20 bonding primer, and prepare the surface.
- Apply Boydur M12 mortar as the main coat for coating the industrial floor
- Once dried and necessary adjustments are made, apply Boydur 520 colored finish roller to the surface.
- The application of floor coating requires expertise, so it is important to contact the technical department for guidance.

Points to Consider:

- The surface must be dry, clean, and sound.
- On a new substrate, the material should not be applied before the setting time of the material is complete.
- No other chemical substances should be mixed with the material, other than those specified in the technical data sheet.
- In deep cavities, multiple layers of M-12 material can be applied or filled with materials such as dry mosaic stone.
- The application should be done immediately after mixing the components.



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The information in this technical data sheet is related to the material and its application. Our company reserves the right to modify this information through research and development. When a new technical data sheet is created, the previous one becomes invalid. Our guarantee is valid only for material quality in applications carried out beyond our control. Please note that while I strive to provide an accurate translation, there may be slight variations in the language used in technical terms.

Boydur M12

ISO 9001,ISO14001

Kimyasal Zemin Kaplamaları-Synthetic Floors, Yol Boyaları-Road Marking Paints,
Tamirat Mortarları-Repair Mortars,Derz Dolguları-Joint Selants,
Yüzey Koruma Ürünleri-Surface Protection Products, MMA Reçineler-MMA Based Resins

