

Boydur® M12

MORTAR THAT CAN BE USED FOR FLOOR COATING OR QUICK REPAIR PURPOSES, BASED ON METHYL METHACRYLATE (MMA), SOLVENT-FREE, TWO-COMPONENT:

Description: Boydur® M12 is a two-component, methyl methacrylate (MMA) based mortar that can be easily used for indoor and outdoor applications. It can be used as a coating material for surfaces with heavy traffic or extreme chemical exposure, or for quick repair of dangerous and damaged potholes and cracks in the floor without disrupting traffic.

Where is it used?

Boydur® M12 is a two-component mortar that provides a fast, permanent, and effective repair solution. It can be used on both indoor and outdoor floors and allows for quick repair of potholes, cracks, and damages. It can also be used for repairing other floor areas such as borders, stair edges, and floor joints. Compared to other similar products, Boydur® M12 has stronger resistance properties and can be used for repairing concrete blocks on train and metro rails. It is an ideal choice for those looking for a fast and permanent solution for floor repairs.

Distinctive Features:

- It is based on Methyl Methacrylate (MMA).
- It is a two-component mortar.
- It has a fast curing time. (Average of 1 hour)
- It is very durable.

Usage Areas: Boydur® M12 can be used in many areas. It can be preferred especially on floors with heavy traffic such as military areas, airports, ports, industrial areas, factories and warehouses, city and suburban roads, bridges, and parking lots that are under the influence of chemicals.

Advantages:

- It is very durable and resistant.
- It is very easy to apply.
- If there is a malfunction, it can be easily repaired.
- It is anti-bacterial.
- It is 100% resistant to atmospheric conditions.
- It expands and contracts with the surface it is applied to.

Technical specifications

- **Type:** Two-component (Resin + Filler)
- **Colors:** Concrete gray, green, burgundy, black
- **Consumption:** 2000 kg/m³
- **Compressive Strength:** 34N/mm²
- **Flexural Strength:** 24 N/mm²
- **E-Modulus:** 4350 N/mm²
- **Ball Indentation Hardness:** 41N/mm²
- **Drying Time (20°C):** ~1 hour
- **Application Time:** ~25 minutes (after components are mixed)
- **Shelf Life:** 12 months at 20°C in a dark and dry environment without opening the packaging.
- **Packaging:** 18 kg (A+B Set)

Application Preparation:

The materials needed for surface preparation are as follows:

- Boydur® A10 Primer
- Boydur® FA Roughener
- Roller and brush
- Hilti
- Sandpaper
- Trowel or spatula
- Mixer
- Boydur® S-90 (cleaner)

Before applying Boydur® M12, Boydur® A10 Primer should be applied first. Then, the bottom surface should be roughened using Boydur® FA Roughener. Depending on the size of the surface to be applied, a roller and brush should be used. Hilti can be used to remove loose particles from the bottom surface. Sanding is necessary to remove roughness after application. A trowel or spatula is used to ensure the spreading of Boydur® M12 after it is mixed. After all these steps, the application of Boydur® M12 can be started. Finally, Boydur® S-90 can be used for cleaning application tools.



Surface Preparation:

- The surface to be applied must be dry, clean, and firm before application.
- If the surface hardener has been applied, use Boydur® FA Roughener.
- Apply Boydur® A10 primer and wait for approximately 1 hour to dry.

Application:

- Mix Boydur® M12 components A and B to obtain a flowing concrete-like consistency.
- Pour the material onto the surface and spread it with a trowel or spatula. • Smooth the surface and remove any roughness with sandpaper.
- Clean the application materials with Boydur® S-90.
- Industrial flooring application requires experience, contact the technical department for assistance.

Notes:

- The surface must be dry, clean, and firm.
- In new concrete surfaces, the material should not be applied before the setting time of the concrete has ended.
- Chemical substances should not be mixed with the material other than those specified in the technical data sheet.
- In very deep holes, M-12 material can be applied in several layers or filled with drymosaic stones or similar materials.
- Application should be done immediately after mixing the components.

The information provided in this technical data sheet is essential for the material and its application. Our company reserves the right to change this information in the direction of research and development. When a new technical data sheet is created, the old one will lose its validity.

Our guarantee only applies to the quality of the materials used in drills that are conducted without our control.

