

Boydur® M12

MMA BASED, SOLVENT FREE, TWO COMPONENTS, REPAIR AND FLOORING MORTAR

Description:

Boydur® M12 is a two components, MMA based Epoxy mortar. It is suited for inside and outside areas. It can be used as a floor material for the areas, which have heavy traffic and chemical resistance. It is mainly used as a quick repair mortar, for the areas in where cracks and holes cause dangerous situation. Nato stock number of Boydur M12 is: 8010270236787. Our company certified with ISO 9001.

Special Features:

- MMA based,
- Ready to use approx. in 1 hour after the application
- Two components,
- Long lasting,
- Easy to use, easy to repair,
- Long lasting,
- Full resistance against UV, all weather conditions, heavy load, many chemical materials
- Thermoplastic flexibility,
- Solvent free and a fast curing period.

Where to Use:

Boydur® M12 is used on cement, brick, mosaic (terrazzo). It has a very strong connection where it is applied. It has thermoplastic flexibility (If the surface needs a more elastic mortar, please check the technical data of Boydur® A15 and Boydur® A125.). Boydur® M12 is a very good solution for fixing the machines, columns, etc. to the floor (Anchorage). Because of the curing period, the application will not effect the normal traffic of the area, comparable the application of other types of mortars.

- All types of Military areas,
- Airports, seaports, dockyards
- All types of Industrial areas,
- Roads, highways,
- Bridges,
- Car parks.
- Anchorage of runway and taxiways electrical armature, straight path button, glass road button, iron ore, machine feet, signboard column

Technical Features:

Delivery Form: Two components, fluid (A+ B components)

Color: Grey, Red, Green, Black

Use: 2000 kg. /m³

Compressive strength: 34 N/mm²

Bending Strength: 24 N/mm²

E-Module: 4350 N/mm²

Ball Impact Hardness: 41 N/mm²

Drying Period (20 ° C): ~ 1 Hour

Application Time (after mixing A+ B Components): ~ 25 minutes.

Storage: 6 months in dark, dry, room temperature

Packages: 18 Kg. (A+ B Components)

Application Information:

Tools:

- **Boydur® A10:** Primer of the Boydur® M12. Apply Boydur® A10 with brush and/or roller over the surface. It needs approx.200-300 gr. /m². It dries in 1 hour.
- **Boydur® FA:** If the surface is very strong and flat cement, use Boydur® FA to make it rough. A rough surface has a better connection than a flat surface.
- **Brush and Roller:** For Boydur® A10 and Boydur® FA application.
- **Hilti:** To clean pieces of the surface.
- **Emery paper or machine:** To clean the connect lines and mistakes over the Boydur® M12 surface.
- **Trowel:** To apply Boydur® M12.
- **Mixer:** To mix A+B component homogenously.
- **Boydur® S90:** To clean the application tools.

Preparing the surface:

- The surface must be clean, dry and in good condition before the application. If it is a new surface wait for the solidification time (e.g. 28 days for cement)
- The air circulation of the application area must be in good condition. You also need light for night application and electricity for application tools.
- Use Boydur® A10, before Boydur® M12 application.

Application:

- Be sure that the surface is in correct condition for application.
- Apply Boydur® A10 with Brush and Roller. It dries in 1 hour.
- Mix A+ B components of Boydur® M12 homogenously for approx.2-2, 5 minutes. After mixing it must look like a normal cement mortar.
- Throw it on the surface, where Boydur® A10 already applied. Help with trowel to spread it. It dries in 1 hour.
- Fix all mistakes with emery paper or machine.
- Clean the application tools with Boydur® S90.
- Flooring application with Boydur® M12 needs experience. Please contact with our technical department for details.

Attention:

- Don't do any application, if the surface is not clean, dry and in good conditions.
- Don't mix any other chemicals, which are not written on this technical data. It will decrease the quality and long lasting of our products.
- After mixing the A+B Components you have approx. 25 minutes to do the application. (Pot-life). Because of that, check all the details which may interrupt the application and do not wait after mixing.
- Before application we recommend to implement sample for finding problems, which may effects on application period.

The information of this technical data has priority of the product and product application.

Our company has the right to change the technical data according to findings of our research and development department.

After a new version of technical data, the old version lost the validity.

If we don't supervise the application, we give only quality guarantee.