

## BOYDUR® AKRIBETON

### Methyl Methacrylate (MMA) Based, Two Components, Rapid Repair, and Anchorage Polymerbeton for Floor Application

#### Description:

Boydur® Akribeton is two components, Methyl Methacrylate (MMA) based Polymerbeton. It is suited for inside and outside areas. It can be used as a quick repair material for hole and cracks, which causes dangerous situation on the areas with heavy traffic and chemical resistance. It is mainly used as a quick repair mortar, for the areas in where cracks and holes cause a dangerous situation.

#### Why Boydur Akribeton?

- Machinery, traffic signs, traffic light, street furniture, etc. in rapid assembly so that the objects do not destabilize the ground.
- In applications and projects where a formwork is required on the ground (for example, curbstone in situ without dismantling).
- In the repair of concrete blocks under the train tracks by molding
- In the rapid repair of pits and cracks in areas with very heavy traffic
- In the rapid repair of floors that have been deformed under the influence of excessive chemicals to be resistant to these substances.

#### Special Features:

- Methyl Methacrylate (MMA) based,
- Two components,
- Resistance UV. and all types of weather conditions
- Solvent free,
- Fast curing period (approx.1 Hour after the application ),
- Long lasting.

#### Where to Use:

Boydur® Akribeton can be used on cement, brick, mosaic (terrazzo). It has a very strong connection where it is applied. It has thermoplastic flexibility.

Boydur® Akribeton is a very good solution for anchorage application.

- All types of military areas,
- Airports, seaports,dockyards
- Industrial areas,
- Business centers, shopping centers,
- Roads, highways,( for anchorage the traffic equipments to the floor, for repairing the cracks and holes)
- Bridges,
- Parks.



### Advantages:

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

### Technical Features:

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

**Color:** Grey, Red, Green, Black

**Use:** 2000 kg. /m<sup>3</sup>

**Compressive Strength:** 75 N/mm<sup>2</sup>

**Bending Strength:** 26 N/mm<sup>2</sup>

**E-Module:** 4350 N/mm<sup>2</sup>

**Ball Impact Hardness:** 43 N/mm<sup>2</sup>

**Drying Period (20°C):** ~ 1 Hour

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

**Storage:** 6 Months in dark, dry, room temperature

**Packages:** 17 Kg. (A+ B Components)

### Application Information:

#### Tools:

- **Boydur® A10:** Primer of the Boydur® Akribeton. Apply Boydur® A10 with Brush and Roller over the surface. It needs approx.200-300 gr. /m<sup>2</sup>. It dries in 1 hour.
- **Brush and Roller:** Boydur® A10 and Boydur® FA application.
- **Hilti:** To clean broken pieces of the surface.
- **Emery paper or machine:** To clean the connect lines and mistakes over the Boydur® Akribeton surface.
- **Trowel:** To apply Boydur® Akribeton.
- **Mixer:** To mix A+B component homogenously.
- **Boydur® S90:** For cleaning 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® Akribeton 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® Akribeton 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.

### Attention:

- Don't apply, 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 for applying the product (Pot-life). Because of that, check all the details which may interrupt the application and do not wait after mixing.
- Before application we recommend doing a 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.

