

Boydur® Akrifleks

Methyl Methacrylate (MMA) Based, Three Components (A+B+HARDENER), Self Leveling Synthetic Floor With 2-3 mm. Thicknesses

Description:

It is a Methyl Methacrylate(MMA) based, three components(A+B+Hardener), self-leveling floor system. Boydur® Akrifleks is solvent free, suited for indoor and outdoor areas and has a very fast curing period. (Ready to use approx. 1 hour after the application) It can be applied in different thickness, colors, effects and elasticity. It has thermoplastic flexibility. The surface of Boydur® Akrifleks is joint less, from wall to wall. Boydur® Akrifleks has a very good chemical and mechanical resistance.

Why do we need Boydur® Akrifleks?

- For the floors of all factories that need industrial floor coverings but cannot close the area for days due to heavy traffic.
- For those who need a wall-to-wall seamless and non-porous hygienic floor covering in their factories
- For areas that are not likely to close the area (for example, sterile rooms) even if the application time takes time to renew the coating.
- For covering the inner and outer areas of the ship decks in a way that is 100% resistant to all kinds of atmospheric, sea conditions, vibrations and provides the best pedestrian and work safety.
- For all areas that want to have chemical flooring in the outside area
- To ensure the renewal of the surface instead of the complete removal and renewal of the concrete slab due to capillary cracks or abnormal fractures on the surface.
- For industrial floor areas under constant vibration, as there are machines around that will cause vibration on the ground.
- To permanently solve the water infiltration on the balcony ceiling of the lower floor on the balconies of the hotels

Special Features and Advantages:

- Methyl Methacrylate(MMA) based,
- Three components. It dries with Boydur® Herter reactive hardener,
- Produced with wide variety of RAL colors,
- Fast curing period (approx: 1 hour),
- Joint-less from wall to wall,
- Easy to repair, renovate,
- Thermoplastic flexibility,
- Indoor and outdoor application,
- Chemical resistance.



Where to Use ?

Boydur® Akrifleks can be used on cement, brick, mosaic (terrazzo), asphalt, metal, etc. surfaces. It can be applied in different thickness, colors, effects and elasticity. It has thermoplastic flexibility. The surface is joint less, from wall to wall.

- All kind of industrial areas,
- Airports, and seaports,
- House, office, business centers, Shopping centers, Hospitals, TV studios, Car parks, exhibition centers,
- Military areas,
- Ship decks,

Technical Features:

Delivery Form: Liquid

Main material: Methyl Methacrylate(MMA)

Color: RAL colors

Density: 1,8-2,0 gr/cm³

Layer thickness: 2-3 mm.

Use (2-3 mm. thickness): ~ 5-6 kg. / m²

Storage Life <20°C: Max. 12 months (not under the sun: In dry condition)

Packages: 25 kg.

Application Information:

Tools:

Blastrac, Milling Machine, Hilti: To clean and get a rough surface for better connection with Boydur® Akrifleks.

Boydur® FA: If the surface is a very strong and flat cement, use Boydur® FA to make it rough. A rough surface has a better connection to the topcoat floor.

Self-leveling trowel: It is important for self-leveling application.

Spiny roller: To take out the blister from the floor.

Mixer: To mix A+ B components of the products and to mix Boydur® Herter: Hardener inside of the products.

Brush and Roller: To apply primer and top-coat (finish).

Boydur® A10: If the application is over cement surface, it is used as primer.



Application:

- 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 Blastrac, Hilti, Milling Machine (Freze) to clean the surface and to make the surface rough for a better connection with Boydur® Akrifleks.
- Apply Boydur® A10 with brush and roller over the surface. It needs approx.200-300 gr. /m². It dries in 1 hour.
- If there are cracks and holes over the surface, use Boydur® M12, MMA based mortar to repair them quickly.
- Mix Boydur® A20 with approx.%1 Boydur® Herter Hardener (see the technical data of Boydur® A20 and check the Hardening Period Table) homogenously (mixing time 2,5-3 minutes), apply with roller over the surface. It dries in 1 hour.
- For a better connection apply quartz sand where you applied Boydur® A20. After Boydur® A20 dries, brush the surface to take out the quartz, which didn't fix to Boydur® A20.
- Homogenously mix the components of Boydur® Akrifleks for 3 minutes. Apply approx. % 1 of Boydur® Herter Hardener (see the Hardening period table above) inside of the Boydur® Akrifleks and mix homogenously for 3 minutes.
- After mixing, apply Boydur® Akrifleks over the surface. Use self-leveling trowel. Before it dries, apply spiny roller over the surface. Boydur® Akrifleks dries in 1 hour.
- Check the entire surface to find little holes, dirty pieces, etc. Clean and fix all of them before Boydur® topcoat finish application.
- Mix homogenously Boydur® Top-Coat Finish with approx % 1 of Boydur® Herter hardener (see the technical data of Boydur® Top-Coat Finish and check the Hardening Period Table). Apply it with roller. You need 300-500 gr. Boydur® Top-Coat finish /m².

Boydur® Herder Harder Time Table

Room Temperature (°C)	Herter Percentage (%)	Working Time(Min.)	Hardening Time(Min.)
+10	4	25	55
+20	1	25	60
+30	0,6	20	60



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Attention:

- Do not apply, if the surface is not clean, dry and in good conditions.
- For best result the weather temperature during application should be near to room temperature (20 °C)
- Do not mix the products with any other chemicals, which are not written on this technical data. It will decrease the quality and long lasting of our products.

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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.

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

