

Technical Data

Boydur® Marker 663

Two Components, MMA Based, Cold- Spray Plastic Road Marking Paint For 1:1 System , 0,3-1,2 mm.

Description:

Boydur® Marker 663 is a MMA based, two components, cold- spray plastic road marking paint. It is solvent-free, suited for inside and outside areas, and has a very short curing period.

Special Features and Advantages:

- MMA Based It is a cold applied paint.
- Two components. It dries with Boydur® Herter hardener,
- Produced with white, yellow
- Ready to use approx. 1 hour after the application,
- Long lasting, reflective agent.
- It has a thermoplastic flexibility,
- Resistance against UV. weather conditions, fuel oil, dirt, etc.
- Trouble-free processing, easy to repair.
- Different layer thicknesses

Where to Use?:

We especially recommend to use Boydur® Marker 663 for pedestrian crossing, stop lines, and direction arrows. Boydur® Marker 663 can be used over cement, asphalt, etc. surfaces.

- City, intercity roads, Bridges,
- Industrial areas,
- Airports, seaports,
- Military areas,
- Car parks,
- Shopping centers, business centers.

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Technical Features:

Delivery: Liquid

Quantity to be applied: 1.8 kg/m² at a layer thickness of 1mm

Viscosity approx.: 3800 mPa.s

Outflow time at 23 °C: 90-110 s/4 mm.

Density at 20 °C: 0.98 g/cm³

Refractive index: 1.44

Colour number: Apha <50

Flash Point: +11°C

Shelf life: at least 6 months

Packages: 25 kg

The application temperatures: Between 5°C-40°C

Hardening:

Immediately before processing approx. 4.0 parts by weight hardener powder are added(mixing) to component B. The batches of both components must be identified clearly from the beginning in order to avoid errors. Both components are then filled into separate tanks and mechanically delivered in the ratio of 1:1 mixed and sprayed afterwards. The shelf life of component B is limited after the hardener has been added. It has a shelf life of a few days at room temperature; at 55°C only 1-2 hours resulted. Therefore we recommended not mixing larger quantities as needed in one day. Machines should be emptied and cleaned directly after the application.

The Condition of 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® A10Primer over cement surface.
- Use Boydur® Repair mortars for fixing the cracks and holes

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Pot life and hardening time:

A:B= 1:1 for all temperatures (B with 4.0 parts by weight Boydur® Herter Hardener or Lucidol CH50)

Temperature(°C)	Pot Life(min.)	Hardening time (min.)
+5	19	44
+10	12	33
+20	6	9
+30	4	7

Note: For other temperatures, change the herter percentage proportional with the percentage numbers on the table. If you are not sure, we advise implement sample to find the percentage of Boydur® Herter you need for the application.

Application Information:

Application Tools:

Two Components Cold Plastic Paint Spray Machine: It is a machine with a different brand name which do the mixing of the components and hardener glass beads and to the spray application at the same time.

Pattern: For arrow, letter, and number application.

Rope and chalk: For correct measurement where the patterns and lines must be applied.

Roller: For Boydur® A10 application.

Boydur® A10: Primer for cement surface.

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

Glass beads: For better reflective features, you can also use glass beads over the surface during the application.

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Application:

- Boydur® Marker 663 needs experience for application. Please always be in contact with our technical department, before application and during application.
- On the application period preparing the surface is very important.
- Please read the technical data of the machine that you used for the application.
- Regularly cleaning of the machine is very important.
- In both applications throw glass beads over the paint surface, before it dries.

Attention:

- Do not mix the product with any other chemicals, which are not written on this technical data. It will decrease the quality and long lasting of the products.
- Solve all problems of the application area, before mixing Boydur® Herter (special glasbeads covered with hardener).
- Before application we recommended to do a sample to see possible problems, which may effects on application period.
- If the weather is too hot, we recommended applying the product in the morning or in the afternoon.

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.