

SPORTS SURFACES

DATA SHEET

PASTE MP 150

**Two-component polyurethane glue for synthetic grass
that is resistant to humidity during application, LND certified**

CHARACTERISTICS

Paste MP 150 is a solvent-free thixotropic product, with latex and PUR coating, formulated to glue synthetic grass on all types of joint strips from 30 to 40 cm: thanks to its special formula the product may be laid in damp or even wet conditions. When gluing, the joint strip must be clean and dry, while the synthetic grass may have some drops of rain, although it is best to shake the grass sheet before laying to remove excess rainwater. We recommend to use Paste MP 150 for the winter season with low temperatures min. 5°C). Paste MP 150 is certified by the LND with certificate no. CSL/C – 002

APPEARANCE

Component A: green high-viscosity paste.
Component B: dark low-viscosity liquid.

CHARACTERISTICS OF THE LIQUID PRODUCT

| Characteristic | U.M. | Value | Tolerance |
|--|--------------------|----------------|-----------|
| Specific weight | Kg/dm ³ | 1,64 | ± 0,1 |
| Dry mass residue | % | 99,5 | ± 3 |
| Dry volume residue | % | 99 | ± 3 |
| Dry residue at 130°C | % | 61 | ± 3 |
| Brookfield viscosity (with Brookfield viscosimeter rotor no. 7, speed 5) | mPa·s | 600000 | ± 20000 |
| Mixing ratio (A:B) by weight | - | A:B = 90,9:9,1 | - |

LAYING INSTRUCTIONS

| Tools | Thinner | Type of thinner | Cleaning tools |
|-----------------|---------------|-----------------|----------------|
| Toothed spatula | Ready for use | - | DIL S1 |

The type of toothed squeegee used depends on the structure of the grass to glue. Ensure that the glue soaks into the structure under the grass completely.

LAYING SURFACE

Paste MP 150 may not only be applied on sports field joints, but even on asphalt decks to glue decorative grass (see specifications for realisation of decks). The deck must be compact, consistent, free of oil, grease and humidity and well levelled; if not, repair the deck as necessary. Allow asphalt surfaces to cure for 3 - 4 weeks after laying. Paste EP 11 is recommended in the case of cement surfaces laid on the ground.

CONSUMPTION

Minimum recommended coverage is as follows:

- 500 g./linear metre on 40 cm strip;
- 400 g./linear metre on 30 cm strip;
- 1,5 kg/sq.m. on asphalt.

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HARDENING AT 23°C AND R.H. OF 50%

| | |
|------------------------|--|
| Pot life | 45' at 10°C 30' at 20°C < 15' at 30 °C |
| Curing start time | 3 - 4 h |
| Maximum hardening time | MAX 4 days |

The times indicated refer to standard laboratory conditions. Drying times are strongly influenced by the weather; high temperatures and direct sunlight accelerate drying; shadows, low temperatures and high humidity levels delay drying. In winter, lay the product in the central and warmer hours of the day. Always ensure that the previous layer has hardened correctly before applying the next layer.

CHARACTERISTICS OF THE DRY PRODUCT

| Characteristic | U.M. | Value | Tolerance |
|-----------------------------------|------|--------|-----------|
| Shore A hardness | - | 92 | ± 1 |
| Breaking load on 10 cm. specimen | N | > 1500 | - |
| Primary detachment/strip (pelage) | N | > 120 | - |

PACKAGING INSTRUCTIONS

| | |
|-------------------|---------------|
| Colours available | Green. |
| Packaging | A + B = 13 kg |

STORAGE INSTRUCTIONS

| | |
|------------------------------------|---------------------|
| Storage temperature: | MIN 10°C - MAX 30°C |
| Stability in the original package: | 6 months |

IMPORTANT INSTRUCTIONS

Do not apply the product in the case of fog, high humidity levels, rain or frost. The conditions of the deck must be checked to ensure that it is plane, resistant, consistent that the granule grading is correct in order to prevent imperfections on the surface. Repairs and/or filling must be carried out according to the specifications of Casali S.p.A. Check for rising dampness and/or infiltrations, if necessary contact the Technical Office of Casali S.p.A. Store component B at a temperature between 10°C and 30°C, otherwise the material may crystallise and will no longer be suitable for use. The material however be reconditioned for several hours with a stove or heated in a water bath at 40 - 45°C, stirring occasionally to eliminate any solid particles until the product is liquid (the hardener must be clear and limpid otherwise the crystals have not melted completely). Use the reheated material immediately otherwise it will deteriorate and may not be used.

SAFETY STANDARDS

Please read the safety data sheet carefully before using this product.

*The data provided by these data sheets are approximate and the Company reserves the right to modify the same for technical reasons, without prior notice. The solutions proposed do not represent all the possible uses but are merely case studies deriving from Casali's installation experience and are therefore intended only for purposes of illustration. The user is exclusively responsible for the way the products illustrated are used, whether properly or improperly, for evaluating in advance the suitability or otherwise of the product for its requirements and exerting the utmost caution in handling chemical products. **Important: to ensure best colour uniformity of surface laid products, we recommend that you use materials from the same production lot as finishing layer. The Technical Office of Casali's Synthetics Division is at your complete disposal for any further specific information or explanations you may require (phone 071 9162095).***

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