

SPORTS SURFACES

DATA SHEET

PASTE

Two-component polyurethane glue for synthetic grass

CHARACTERISTICS

Product formulated for gluing all types of synthetic grass, with latex and PUR coating, on all types of joint strips from 30 to 40 cm. Paste glues sheets securely to the band, ensuring that the joints last in time. The differentiated reaction formulas (Paste normal, Paste semi-rapid) provide rapid curing times even at low or medium temperatures (min. 10°C). Paste must always be used in dry weather conditions.

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	1,63	± 0,1
Dry mass residue	%	99,5	± 3
Dry volume residue	%	99	± 3
Residue at 450°C	%	62	± 3
Brookfield viscosity (with Brookfield viscosimeter rotor no. 7, speed 5)	mPa·s	540000	± 25000
Mixing ratio (A:B) by weight	-	A:B = 90:10	-

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 may not only be applied on sports field joints, but also 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.

APPLICATION INSTRUCTIONS

Ambient temperature: MIN 10°C - MAX 45°C
Ambient relative humidity: MAX 80 %
Laying surface temperature: MIN 5°C - MAX 35°C

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HARDENING AT 23°C AND R.H. OF 50%

Curing start time	5 - 6 h
Maximum hardening time	MAX 7 days

The times indicated refer to standard laboratory conditions. Drying times are strongly affected by weather; high temperatures and exposure to direct sunlight accelerate hardening; shadow and low temperatures delay hardening. In winter it is advisable to lay the product in the middle of the day when it is warmer.

POT LIFE OF DIFFERENT FORMULAS AT DIFFERENT TEMPERATURES

	10 °C	20 °C	30 °C
Normal	n.a.	35 min	25 min
Semi-rapid	30 min	20 min	n.a.

n.a. = not applicable (at specific temperatures Paste is not recommended)

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	-
Adhesion	N/mm ²	> 3	-

PACKAGING INSTRUCTIONS

Colours available	Green.
Packaging	A + B = 12 kg (other packaging available on request).

STORAGE INSTRUCTIONS

Storage temperature:	MIN 10°C - MAX 40°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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