

SPORTS SURFACES

DATA SHEET

PREMIUM

**Two-component polyurethane coating
for multi-purpose floorings on asphalt or cement**

CHARACTERISTICS

Premium is a self-levelling polyurethane resin which may be applied on cement or asphalt decks (after applying an appropriate smoothing coat or primer) for the realisation of indoor and outdoor multi-purpose courts. Premium is generally finished with EPDM granules applied abundantly which make the system elastic, non-slip and UV ray resistant but may also be painted with Pavicolor to obtain a smoother surface.

APPEARANCE

Component A: pigmented medium-viscosity paste.
Component B: dark low-viscosity liquid.

CHARACTERISTICS OF THE LIQUID PRODUCT

Characteristic	U.M.	Value	Tolerance
Specific weight	Kg/dm ³	1,34	± 0,1
Dry mass residue	%	99,2	± 3
Dry volume residue	%	99	± 3
Residue at 450°C	%	40	± 3
Brookfield viscosity (with Brookfield viscosimeter rotor no. 5, speed 20)	mPa·s	4100	± 200
Mixing ratio (A:B) by weight	-	A:B = 87:13	-

LAYING INSTRUCTIONS

Tools	Thinner	Type of thinner	Cleaning tools
Smooth rubber spatula (for smoothing)	Ready for use	-	DILA1
Calibrate toothed spatula to the required thickness	Ready for use	-	DILA1

LAYING SURFACE

Premium may be applied on cement and asphalt decks (see specifications for realisation of decks). In both cases, the deck must be compact, consistent, free from oil, grease and humidity and well levelled. Ensure that the roughness of cement decks, without humidity, is uniform and treat with primer (Epobase S). Allow asphalt surfaces to cure for 3 - 4 weeks after laying and treat with pore filler (Poristop).
IMPORTANT: resin surfaces are generally waterproof (non-draining) so that the deck must be sloped correctly to ensure rainwater runoff and prevent pooling. Works to correct the deck must be carried out before laying the final covering; if necessary please contact the Technical Office of Casali S.p.A.

CONSUMPTION

For a thickness of 1 mm use at least 1.35 Kg/sq.m.; please read the section on layers and partial coverage of the specifications for more detailed information.

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APPLICATION INSTRUCTIONS

Ambient temperature: MIN 10°C - MAX 40°C
Ambient relative humidity: MAX 80 %
Laying surface temperature: MIN 10°C - MAX 40°C

HARDENING AT 23°C AND R.H. OF 50%

Pot life	30' at 23°C
Interval between coatings	MIN 20 h - MAX 36 h
Maximum hardening time	3 - 5 days

The times indicated refer to standard laboratory conditions. Curing times are strongly affected by weather conditions; high temperatures and direct sunlight accelerate curing; shade, low temperatures and high levels of humidity slow down curing. In winter, lay the product in the warmer hours of the day. Always allow the coating to dry perfectly before applying the next coating.

PACKAGING INSTRUCTIONS

Colours available	Red, Green and other on request.
Packaging	A + B = 20 kg

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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