

SPORTS SURFACES

DATA SHEET

ATHLON SB

**Coloured one-component elastic rubber granule polyurethane binder
for finishing athletic tracks and sports surfaces**

CHARACTERISTICS

Athlon SB is a coloured one-component hygrohardening polyurethane resin based binder used, mixed with the rubber granules, as a coloured finish of draining and waterproof sports surfaces. Athlon SB may be used as finish for multi-purpose sports surfaces or as topcoat for athletics tracks, applied on the prefabricated rubber mat or prepared in situ.
The best combination of Athlon SB is with EPDM 0.5-1.5 mm granules

APPEARANCE

Medium viscosity pigmented liquid

CHARACTERISTICS OF THE LIQUID PRODUCT

Characteristic	U.M.	Value	Tolerance
Specific Weight	Kg/dm ³	1,10	± 1
Dry mass residue	%	90	± 1
Dry volume residue	%	82	± 1
Brookfield Viscosity: (with Brookfield viscometer rotor No. 4 speed 5)	cPs	1400	± 200

APPLICATION METHOD

The mixture may be prepared using a special mixer for rubber granules or with a cement mixer.

LAYING INSTRUCTIONS

Toolings	Thinner	Type of thinner	Cleaning method
Planomatic type paving machine	Ready-to-use		DIL S1
Manual with shims and aluminium straight edge	Ready-to-use		DIL S1

PREPARATION OF THE LAYING SURFACE

The concrete or asphalt deck must be free of dust, oil, grease and loose parts and must be treated previously with Athlon 45 diluted 1:1 with DIL S1 or alternatively with Epobase A.
IMPORTANT: resin surfaces are generally waterproof (non draining) surfaces, so that decks should be sloped correctly to ensure efficient rainwater run-off and prevent pooling. Any corrections that may be required should be made before laying the final coating; if necessary, please contact the Technical Office of Casali S.p.A.

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CONSUMPTION

The granule/Athlon SB mixing ratio may vary according to the type of granules used; try out different mixtures to ensure the correct mixing proportions and avoid insufficient or excess quantities of binder. For example if you use a granule SBR 1 – 4 mm, the recommended proportion is 100 : 20, if you use a EPDM 0,5 – 1.5 mm granule, the recommended proportion is 80 : 20.

APPLICATION INSTRUCTIONS

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

DRYING OR HARDENING AT 23°C AND R.H. OF 50%

Complete drying	15 h
Interval between coatings	MAX 24h

PACKAGING INSTRUCTIONS

Colours available	Red (102), Green (201)
Packaging	20 - 215 kg

STORAGE INSTRUCTIONS

Storage temperature	MIN 3°C - MAX 40°C
Stability in the original package	6 months

IMPORTANT INSTRUCTIONS

Do not apply the product in foggy or damp weather, or if rain or frost are forecast. Ensure that the deck is perfectly flat and resistant, and has the correct grading to prevent flaws on the surface. Repairs and/or filling should be made in accordance with the instructions of Casali S.p.A. Check for rising damp and/or infiltrations, if necessary contact the Technical Office of Casali S.p.A. for more information.

SAFETY STANDARD

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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