

SPORTS SURFACES

DATA SHEET

SURFACE EVOLUTION

**Synthetic covering consisting of highly elastic rubber granules
for tennis courts**

CHARACTERISTICS

Surface Evolution is a tennis court covering which ensures a high level of elasticity and playing comfort. Thanks to the fact that the product contains no quartz sand and differentiated rubber granules, Surface Evolution is the ideal covering to reduce traumas. The Surface Evolution system is tested by the (International Tennis Federation) in Speed Class 2 (medium-slow).

APPEARANCE

Black thixotropic paste.

CHARACTERISTICS OF THE LIQUID PRODUCT

Characteristic	U.M.	Value	Tolerance
Specific weight	Kg/dm ³	1,05	± 0,1
Dry mass residue	%	59	± 3
Dry volume residue	%	57	± 3
Brookfield viscosity (with Brookfield viscosimeter rotor no. 6, speed 6)	mPa·s	78000	± 6000
pH	-	8	± 1

APPLICATION METHOD

A 3 litre drum of additive (Additive SE) is supplied with each 30 kg. drum of product, which should first be dispersed in the water used for thinning. To dilute, first mix the additive into the water with a hand mixer, then add the mixture to Surface Evolution mixing with a hand or cement mixer until the mixture is perfect smooth and liquid.

LAYING INSTRUCTIONS

Tools	Thinner	Type of thinner	Cleaning tools
Rubber spatula	40 %	Water	Water

LAYING SURFACE

Surface Evolution is developed above all for asphalt decks (see deck preparation instructions) following pre-treatment with Softbase; for application on cement deck please consult the Technical Office of Casali S.p.A.

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

Minimum recommended coverage is as follows 2 kg/sq.m. applied in 3 - 4 crossing coatings, if possible.

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APPLICATION INSTRUCTIONS

Ambient temperature: MIN 10°C - MAX 40°C
Ambient relative humidity: MAX 90 %
Laying surface temperature: MIN 5°C - MAX 50°C

DRYING AT 23°C AND R.H. OF 50%

On surface	2 h
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To touch	4 h
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Interval between coatings	8 h
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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	Black
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Packaging	30 kg. drums + additive SE
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STORAGE INSTRUCTIONS

Storage temperature:	MIN 3°C - MAX 40°C
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Stability in the original package:	12 months
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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.

SAFETY STANDARDS

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

CERTIFICATION

All material - in perfect accordance with the Minimum Environmental Criteria (CAM) standards and the "Waste Hierarchy Principle" that rewards prevention in the production of waste itself - is packaged in 100% recyclable metal drums. Due to the packaging of the resin formulation inside plastic bags, these drums remain completely clean at the end of the product's use and therefore, as opposed to the usual plastic containers, entirely recyclable. This reduces the production of plastic packaging and packaging waste by more than 94%, significantly reducing the loading, transport and delivery of these non-recyclable materials to authorised PPWDs.

*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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