

SPORTS SURFACES

DATA SHEET

POLYSPORT WS

**Concentrated coloured acrylic resin-based coating
for multi-purpose courts on asphalt surfaces**

CHARACTERISTICS

Polysport WS is a concentrated, coloured acrylic resin based coating developed for multi-purpose sports floors. The hard resin based formulation, UV-resistant pigments and the addition of select sands, make Polysport WS the perfect surface for many different types of sports.

APPEARANCE

Pigmented high-viscosity paste.

CHARACTERISTICS OF THE LIQUID PRODUCT

Characteristic	U.M.	Value	Tolerance
Specific weight	Kg/dm ³	1,25	± 0,1
Dry mass residue	%	54	± 3
Dry volume residue	%	43	± 3
Residue at 450°C	%	26	± 3
Brookfield viscosity (with Brookfield viscosimeter rotor no. 4, speed 5)	mPa·s	26000	± 2000
pH	-	8	± 1

APPLICATION METHOD

Add quartz sand (type 0.1 – 0.3 mm selected and dried) and clean water (approx. 30% of the total weight of the mixture), mixing slowly. Continue until the mixture is perfectly uniform. The mixture may be mixed by hand or in a cement mixer. Apply 3 coatings with the following Polysport WS/quartz sand ratio by weight.

FIRST COATING = 50:50

SECOND COATING = 50:50

THIRD COATING = 50:50

In order to ensure a smoother surface, the last layer should be applied in a mixing ratio of Polysport WS/quartz sand = 60 : 40

LAYING INSTRUCTIONS

Tools	Thinner	Type of thinner	Cleaning tools
Rubber spatula	30 % of total mixture (resin + sand)	Water	Water

LAYING SURFACE

Polysport WS should preferably be used on asphalt decks (please read the instructions on how to prepare the deck), after treating the deck with Softbase WS. For applications on cement decks please contact 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.

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CONSUMPTION

The recommended coverage is at least 0.75 Kg./sq.m. of Polysport WS + 0.75 Kg./sq.m. of sand applied in 3 coatings (0.25 Kg./sq.m. of Polysport WS + 0.25 Kg./sq.m. of sand per coating).

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	1 h
To touch	2 h
Interval between coatings	4 h

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 (102), Green (201), Dark green (202), Blue (303), Light blue (302), Grey (413), Orange (151), Violet (502), Deep blue (319), Violet (507) and other on request.
Packaging	40 kg. drums.

STORAGE INSTRUCTIONS

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

SAFETY STANDARDS

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

CERTIFICATION

Polysport WS is tested in accordance with and is compliant to standard EN 1297 (Synthetic coverings for outdoor sports areas - Method of artificial ageing by long term exposure to the combination of UV radiation, elevated temperature and water).

All standard colours contribute effectively to the containment of the heat barrier effect (CAM/GPP-EC Decree) by achieving SRI (Solar Reflect Index) >29. For example, the light blue 302 colour has an SRI of 49. Please consult the Casali S.p.A. technical department for the data of the individual colours.

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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