

# SPORTS SURFACES

DATA SHEET

## COLORTOP

**Acrylic resin-based coloured coating for the protection of asphalt flooring, resistant to abrasion and the aggressive action of fuels and kerosene**

### CHARACTERISTICS

Colortop is an acrylic resin-based coloured coating product in water emulsion formulated for bituminous compound flooring, resistant to abrasion and the aggressive action of fuels in general. Colortop is ideal for airports, petrol stations and car parks as well as cycling tracks.

The main advantages of this product are:

- Highly resistant to fuels, lubricants, oil and kerosene
- Available in a wide range of colours
- Protects the asphalt surfaces from excessively high/low temperatures
- Increases the life of the asphalt flooring
- Highly resistant to abrasion and U.V. rays
- Very stable colours
- Easy to lay
- Cold laying
- Resistant to fuels (Road Experimental Centre ANAS S.p.A., Reference method: AM - GEN - M - P 0017 - PAR 6.5)

The product is suitable for moderate and local traffic, but not heavy traffic and vehicles.

Colortop may also be applied on cement decks, but in this case please contact the Technical Office of Casali S.p.A. for more information.

### APPEARANCE

High viscosity coloured paste.

### CHARACTERISTICS OF THE LIQUID PRODUCT

Characteristic	U.M.	Value	Tolerance
Specific weight	Kg/dm <sup>3</sup>	1,57	± 0,1
Dry mass residue	%	73	± 3
Dry volume residue	%	56	± 3
Residue at 450°C	%	55	± 3
Brookfield viscosity (with Brookfield viscosimeter rotor no. 5, speed 5)	mPa·s	66000	± 2000
pH	-	8	± 1

### LAYING INSTRUCTIONS

Tools	Thinner	Type of thinner	Cleaning tools
Roller	5 - 10 %	Water	Water
Spray	5 - 10 %	Water	Water

### LAYING SURFACE

The product should preferably be applied on well compacted and pressed new or old asphalt decks, that should in any case be in good condition, after removing all traces of oil and grease. Different types of decks may be evaluated from time to time and may require the application of a primer. New asphalt decks should be allowed to cure for at least 3 - 4 weeks to ensure partial oxidation of the deck, then cleaned with a high-pressure washer.

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

The minimum consumption is 0.3 Kg/sq.m every coat; we suggest to apply 3 coats independently from the application method. The consumption may vary depending on the roughness of the laying surface.

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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	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.

## CHARACTERISTICS OF THE DRY PRODUCT

See ANAS S.p.A. (National Road Board) number 0513/0139/03 del 19/04/2003 for the technical specifications of the product.

## 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	45 kg. drums.

## STORAGE INSTRUCTIONS

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

## CERTIFICATION

ANAS S.p.A. (National Road Board) – Certificate number 0513/0139/03 del 19/04/2003.

## 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

Colortop 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 48,9. 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).***