

# SPORTS SURFACES

DATA SHEET

## DRYSTONE FLOOR 1K

**One component, aliphatic, solvent based binder  
for the realization of draining surfaces made with Drystone Floor system**

### CHARACTERISTICS

Drystone Floor 1K is a one component, aliphatic, solvent based, transparent binder used to bind aggregates for the realization of walkable, draining and decorative surfaces Drystone Floor. This product is highly resistant to UV rays, excellent characteristics of hardness, flexibility and resistance to chemicals and weather conditions.  
Usually, for a walkable surface, we recommend a thickness of 1 cm.

### APPEARANCE

Medium viscosity transparent liquid

### CHARACTERISTICS OF THE LIQUID PRODUCT

Characteristics	U.M.	Value	Tolerance
Specific weight	Kg/dm <sup>3</sup>	1	± 0,5
Dry mass residue	%	65	± 5
Viscosity at 23° C	mPa·s	500	± 50

### APPLICATION METHOD

We recommend this mixing ratio between Drystone Floor 1K / milled marble 2 – 4 mm = 1 : 20. The mixture can be done with a cement mixer until reaching an homogeneous blend. The aggregates must be perfectly dry and without dust.

### LAYING INSTRUCTIONS

Tools	Thinner	Type of thinner	Cleaning tools
Aluminium bar	Ready to use	-	DILA1

### LAYING SURFACE

The deck must be compact, free from oils, dust, grease, loose parts and rising damp (check always the presence of the vapour barrier). We always recommend a mechanical treatment to improve the roughness of the laying surface and improve adhesion.  
Is recommendable to provide dilatation joints on the Drystone Floor surface; if you have joints on the concrete, reproduce them exactly on the upper system.  
In any case the cement and asphalt decks must be pre-treated with Drystone Primer.

### CONSUMPTION

The consumption of Drystone Floor 1K depends by the thickness of the system and from the granulometry of the aggregates. For the realization of 1 cm with a 2 – 4 mm milled marble (20 Kg) the consumption is approx. 1 Kg.  
We recommend to make tests to determine the effective consumption with the aggregates you want to use.

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Deck temperature: MIN 10° C - MAX 35° C  
Environment temperature: MIN 15° C - MAX 35° C  
Environment relative humidity: MIN 20 % - MAX 80 %

### HARDENING AT 23° C AND 50 % U.R.

Pot life	1 h
To touch	6 – 8 h
Walkability	5 – 6 days

The times shown are intended for standard laboratory conditions. Drying times are strongly affected by weather conditions; high temperatures and direct sunlight reduce the drying times; areas in shadow, low temperatures and high humidity increase the drying times. In winter the product should be laid in the middle of the day when it is warmer. Ensure that the previous layer has dried properly before applying the next layer.

### PACKAGING

Colours available	Transparent
Packaging	5 – 10 Kg

### STORAGE INSTRUCTIONS

Storage temperature	MIN 5° C - MAX 35° C
Stability in the original package	12 months

### 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).***