



TECHNICAL DATA SHEET

IDRO 2K SPORT

Waterborne fireproof finish specifically designed for sports halls



5 + 1 Lt



DESCRIPTION

100% polyurethane two component waterborne finish standard approved for treating sports floors according to European standard EN14904.

The surfaces treated with IDRO 2K SPORT stand out for their high level resistance to wear (EN 5470-1), extremely high resistance to sliding (EN 13036-4) and for a precise mirror finish (EN 2813), and, as a result they are approved and recommended by the INTERNATIONAL BASKETBALL FEDERATION (FIBA).

IDRO 2K SPORT is recommended for treating wood surfaces and, in accordance with the provisions of the Ministerial Decree of 6th March 1992, it confers class 2 (two) reaction to fire. Furthermore, in accordance with EN 13501, IDRO 2K SPORT has been awarded the European class Cfl-S1 reaction to fire which is valid for all wood based supports for flooring.

TECHNICAL DATA CHEMICAL-PHYSICAL CHARACTERISTICS at 20°C (indicative values not constituting product specifications):	
Catalysis ratio (vol/vol)	5:1
Dust dry (min)	25
Impression dry (min)	40
Dry for sanding (hours)	12/16
Overcoating without sanding (hours)	After 3, within 5
Light Traffic (hours)	24/36
Careful Use (days)	3/5
Completely Dry (days)	10
Degree of gloss 85° (%)	≤ 45
Application method	Roller, brush, spray
Average coverage per coat (g/m ²)	80/120
Total coverage (g/m ²)	240 (necessary for class II) 300 (necessary for class Cfls1)
Adhesion (checkering) (%)	100
Stability and storage (in original, unopened containers stored in a cool, dry place) (months)	12
Calculated VOC (g/lit)	115
Max. permitted dilution (EC dir. 2004/42)	10% SOLUZIONE (drying time regulator)
To clean tools	W-Cleaner – Solvente Lavaggio
Standard packaging (Lt)	2x6

APPLICATION

SPORT CYCLE:

Before proceeding with the application, the surface must be properly sanded and treated with the specific waterborne sealer AQUA TENAX SPORT (see the relevant technical data sheet).

Mix component A with component B of IDRO 2K SPORT, in the prescribed proportions, stirring continuously to prevent the formation of skin or lumps. If these impurities appear, the product should be filtered before use. Then apply IDRO 2K SPORT evenly. After 12 hours, sand the surface with a fine grain mesh (from 180 upwards) and paint the lines and games areas with COLOR SPORT (see the relevant technical data sheet). 3/5 hours after painting the lines and games areas, or after 12 hours having lightly sanded the surface using an abrasive pad or fine disc screen (from 180 upwards), apply the second coat of IDRO 2K SPORT following the same procedure as before.

If the second coat is applied after an interval of more than 5 hours from the first, sanding must always be done prior to the application of the finish to prevent phenomena of separation.

FIREPROOF CYCLE:

Sand and fill the floor using a 120/150 grain disc screen for the finish. For the filling, a Vermeister solvent based or waterborne filler can be used.

Mix component A with component B of IDRO 2K SPORT, in the prescribed proportions, stirring continuously to avoid the formation of skin or lumps. If these impurities appear, the product should be filtered before use. Then apply IDRO 2K SPORT evenly. After 12 hours, sand the surface with a fine grit sandpaper (from 180 upwards) and apply the second coat following the same procedure. If a further coat is required, it can be applied after an interval of 3-5 hours without sanding. If the second coat is applied after an interval of more than 5 hours from the first, sanding must always be done prior to the application of the finish to prevent phenomena of separation.

Minimum weight in grams for fireproof certification:

-240 g/ m² for CLASS II (with two coats of 120g/m² or with three coats of 80g/m²)

-300 g/m² for CLASS Cfl-S1 (with three coats of 100g/m²).

To make the application of the product easier, it can be diluted with 5-10% SOLUZIONE after the two components have been mixed together.

Greater dilution could lead to loss of coverage with a consequent lack of uniformity in the appearance of the finish.



5 + 1 Lt



MAINTENANCE

The maintenance of coated floors must only be carried out using DETERGENTE NEUTRO and/or ANTI SLIP CLEANER.

Do not use alcohol, ammonia or cleaning products for hard surfaces.

For further details see the MAINTENANCE data sheet.

NOTES

IMPORTANT: USE ONLY THE APPROPRIATE COMPONENT B.

Do not replace any leftover product in the container!

Mix the two components together carefully in a flat-bottomed container.

Then use the special bags provided to dip the roller into the product.

Do not apply the product below 10°C or above 30°C.

Shake well before use – Store above freezing

Product subject to the restrictions provided for by EC Directive 2004/42.

DRY FOR SANDING: interval before the floor is ready for sanding

LIGHT TRAFFIC: interval before several people can walk on the floor.

CAREFUL USE: interval before the floor is ready for moderate use.

COMPLETELY DRY: interval before the floor is ready for complete use: e.g. for furniture removal, to allow other craftsmen to carry out work, to start maintenance of the floor, etc.

Safety precautions: Keep the product in a tightly closed, upright container in a cool place away from sources of heat. The product is classified and coded in compliance with EC Directives/regulations concerning hazardous substances. The information for the user is given in the relevant safety sheet. Empty containers or those containing slight traces of the product must be disposed of in accordance with local regulations. VerMeister S.p.A. guarantees that the details given in this sheet are provided to the best of the company's technical-scientific knowledge and experience; however, the company cannot be held responsible in any way for the results obtained with the products as the conditions of application are beyond the company's control. It is always advisable to check the suitability of the product to each specific circumstance. This sheet cancels and replaces all previous editions.