



## TECHNICAL DATA SHEET

# TENAX FR - IDRO 2K FR

Fireproof finish Standard approval code BG1204PVI100003

### DESCRIPTION

Fireproof cycle consisting of a two component solvent based primer (TENAX FR) and a two component waterborne finish (IDRO 2K FR).

This cycle is recommended for treating wood surfaces and, according to the provisions of the Ministerial Decree of 6th March 1992, if it is applied in compliance with the information given in this technical data sheet it confers on the product a class 1 (one) reaction to fire. As stated in UNI standard 9796/CNVVF/CCI included in the above-mentioned Ministerial Decree, the following supports are not covered:

- materials veneered with strips or thin layers of wood glued with adhesives based on thermoplastic type resins.

- laminate or strip assemblies with air cavities or filled with materials of a heterogeneous nature.

According to the provisions of the decree of 16th February 2009 which modifies and integrates the Ministerial Decree of 15th March 2005, wood floors coated with this cycle can be used where a class Cfl - S1 reaction to fire is required (rooms for public use including emergency escape routes).

### TECHNICAL DATA CHEMICAL-PHYSICAL CHARACTERISTICS at 20°C (indicative values not constituting product specifications):

Catalysis ratio (vol/vol) TENAX FR	1:1
Dry for sanding (hours)	16
Application method	Roller, brush, spray
Average coverage per coat (g/m <sup>2</sup> )	120
Adhesion (checkering)	100%
Stability and storage (in original, unopened containers stored in a cool, dry place) (months)	12
Calculated VOC g/lit	500
Max permitted dilution (EC Dir.2004/42)	None
To clean tools	SOLVENTE LAVAGGIO
Standard packaging (Lt)	2x5

Catalysis ratio (vol/vol) IDRO2K FR	10:1
Dust dry (minutes)	25
Impression dry (minutes)	40
Overcoating without sanding (hours)	After 3, within 5
Dry for sanding (hours)	12/16
Light Traffic (hours)	24/36
Careful Use (days)	3/5
Completely Dry (days)	10
Degree of gloss - 2K FR (gloss)	10
Degree of gloss - 2K EXPORT FR (gloss)	30
Degree of gloss - 2K SAT FR (gloss)	50
Taber Test (1000 revs., 1000 g, abrasive wheel CS10) (mg)	10
Application method	Roller, brush
Average coverage per coat (g/m <sup>2</sup> )	100 (2 coats required)
Adhesion (checkering) (%)	100
Stability and storage (in original, unopened containers stored in a cool, dry place) (months)	12
Calculated VOC (g/lit)	95
Max permitted dilution (EC Dir.2004/42)	10% SOLUZIONE (drying improver)
To clean tools	W-CLEANER - SOLVENTE LAVAGGIO
Standard packaging (Lt)	2x5.5

TENAX FR 10 + 10 Lt



IDRO 2K FR 5 + 0,5 Lt



### APPLICATION

Prepare the wood floor carefully using a 120 grain sandpaper last. Vacuum all the residue dust.



Mix component A of the primer (TENAX FR A) with component B (TENAX FR B), in the prescribed ratios (1:1) and apply 120 g/m<sup>2</sup> using a roller, brush or spray. The application must be “crossed”, in other words the product should be applied first against the grain and then crossed and spread in the direction of the grain of the wood. This guarantees that the quantities of the product are applied uniformly. After at least 16 hours, sand with a 150/180 grain, taking care not to remove excessive quantities of product which could later cause lighter patches. Then clean the floor carefully. Mix component A of the finish (IDRO 2K FR A) with component B (IDRO 2K FR B) in the required gloss, according to the prescribed ratios (10:1) and apply a first coat of 100 g/m<sup>2</sup> using a roller, brush or spray. Also in this case, the application must be “crossed”, in other words the product should be applied first against the grain and then crossed and spread in the direction of the grain of the wood. This guarantees that the quantities of the product are applied uniformly and prevents the appearance of overlapping and streaking. . The third coat of product can be applied after 3 and within 5 hours without having to sand or after 12 hours in which case the surface must be smoothed lightly using a fine abrasive mesh (220-320) and then all traces of dust must be vacuumed. The third coat must be applied in the same ways and in the same quantities (100 g/m<sup>2</sup>) as stated previously.

To make the wood support fireproof in accordance with the Ministerial Decree of 6-3-92, TENAX FR - IDRO 2K FR must be applied in the following way:

1st coat (TENAX FR)	120 g/m <sup>2</sup>
2nd coat (IDRO 2K FR)	100 g/m <sup>2</sup>
3rd coat (IDRO 2K FR)	100 g/m <sup>2</sup>

### MAINTENANCE

Surfaces that have undergone fireproofing treatments with TENAX FR – IDRO 2K FR are maintained by dusting. Do not use ethyl alcohol or ammonia solutions.

### NOTES

This Technical Data Sheet has been drawn up in compliance with the manufacturer’s statement as referred to in the regulation UNI 9796/CNVVF/CCI.

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

Mix well before use – Store above freezing.

Product subject to the restrictions prescribed by EC Dir.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.