

TECHNICAL DATA SHEET

supersedes previous issue dated 07/10/98

TB
WHITE PU FIRE-RETARDANT SYSTEM

TB is a code used to encompass the whole fire-retardant coatings system. It is indispensable to comply with the instructions provided in this technical data sheet to ensure class 1 fire resistance and therefore validity of homologation.

Areas of use

Flat panels (doors), assembled furniture, turned parts.

Not to be used on veneers glued with thermoplastic materials, assembled parts with cellular or laminated structure with air cavities (i.e. rattan) or cavities filled with heterogeneous materials.

Description of fire retardant coatings system: (see each component for hardening ratio):

Basecoat: TU 22/13 (hardener TH 333) - 2 coats of 150 gr/m² each (300 gr/m² in total)

Interval between coats: 2 hours

Sanding: manual - at least 24 hours after the second coat of basecoat
 In any case, sanding of a fire retardant coating must be light so that not to excessively reduce the film thickness with consequent decrease of protection against fire.

Topcoat: TZ 2225/13 (hardener TH 333) -1 coat by 150 gr/sqm

Total application weight (basecoat + topcoat): 450 gr/sqm

Technical characteristics of the basecoat TU 22/13:

Method of use:	spray		
Mixing procedure:		by weight	by volume
Part A	TU 22/13	100	100
Part B (hardener)	TH 333	50	60
Solids content:	Part A	76% ± 2%	
	Part B	24% ± 1%	
Specific gravity:	Part A	1.220 ± 0.030	
	Part B	1.000 ± 0.030	
Viscosity (DIN 4 at 20°C):	Part A	140" ± 10"	
	A + B	18" ± 2"	
Drying time:	Dust free:	5'	
	Touch dry:	80'	
	Stackable:	24 hours	
Shelf-life:	If the product is properly stored, shelf-life is unlimited. After long periods of storage, always check homogeneity and stir well before use to eliminate any possible sediment.		

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Technical characteristics of the topcoat TZ 2225/13:

Versions	25 gloss		
Method of use:	spray		
Mixing procedure:		by weight	by volume
Part A	TZ 2225/13	100	100
Part B (hardener)	TH 333	50	65
Solids content:	Part A	59% ± 2%	
	Part B	24% ± 1%	
Specific gravity:	Part A	1.150 ± 0.030	
	Part B	1.000 ± 0.030	
Viscosity (DIN 4 at 20°C):	Part A	160" ± 10"	
	A + B	20" ± 2"	
Drying time:	Dust free:	15'	
	Touch dry:	90'	
	Stackable:	24 hours	
Pot-life:		3 hours	
Shelf-life:	Part A	1 year	
	Part B	1 year	

General characteristics of the system:

TU 22/13 ensures excellent build, good pore wettability and good distension. TZ 2225/13 is a very versatile matt topcoat characterised by a good scratch resistance. The full system solves the typical problems of fire retardant coatings: drying time and application features are similar to conventional PU systems.

Warning

Before use, both basecoat and topcoat are to be carefully stirred till the bottom of the can by means of a long spatula or a stick.

Any sediment due to storage must be homogenised with the rest, otherwise aesthetical characteristics and fire resistance properties will be affected.

Keep products from heat.

Avoid storage at temperatures exceeding 50°C.