

# FR SYSTEM SPECIFICATION

### **FIRE PROTECTION**

Interior Fire Retardant Translucent/Clear System for Wood

A fully factory applied fire retardant translucent or clear coating system for any substrate of all wood products meeting EN 13238 (panels according to EN 13986 or solid wood EN 14915, NB-CPR/SH02/19/832r2 paragraph 5.2.4) and class D-s2,d0 or better.

			<b>REPORT</b> K101/2023	<b>EN135</b> B-s1			
	LAYER 1 Primer	LAYER 2 Top coat	SPECIFICATION FOR	BATTEN M	IOUNTED	WOOD MOUNTED	PLASTER BOARD MOUNTED
PRODUCT	TEKNOSAFE FLAME GUARD	TEKNOSAFE FLAME PROTECT	COLOUR	All colours			
DECOMMENDED	2467-10	2468-00	PROFILES	see SH02 ref 5.2.4			
RECOMMENDED APPLICATION	Spray	Spray	JOINTS	Horizontal and vertical			
METHOD			MOUNTING ORIENTATION	Woodbased material (EN13986): vertically or horizontally Wooden panels (EN14915): vertically			
APPLICATION Temperature	Minimum 10°C		AIR GAPS	Mounted with or without an unventilated air gap. The substrate behind the product shall consist of mineral wool with euroclass A1 and a thickness of at least 20 mm and a density ≥			
WET FILM Thickness (g/m²)	≥250	≤100	BATTENS MATERIAL	38 kg/m3 or a gypsum plasterboard (paper faced) or any end use substrate of Euroclass A1 A2-s1,d0 at least 10 mm thick having a density ≥ 510 kg/m3. Wood or – non-combustible			
OVERCOAT TIME	4 hours	N/A	FIXING	Mechanically			
23°C, 50% RH			THICKNESS (MM)	10	18	8	8
EQUIPMENT Cleaner	Water	Water	DENSITY ((KG/M³)	510	433	338	338
<b>Further information</b> Moisture content of the wood must be 10-12% Further product information can be found in the Technical Datasheets at teknos.com			CONSTRUCTION	Battens	Battens	The first substrate shall be mounted direct to a second substrate of wood in accordance to EN 13986 of at least Euroclass D-s2,d0 with a thickness of at least 10 mm and having a density of: ≥ 510 kg/m3.	The first substrate shall be mounted direct to a second substrate of gypsum plaster board (paper faced) or any end use substrate of Euroclasses A1 or A2-s1,d0 at least 10 mm thick having a density ≥ 510 kg/m3.

TEKNOS GROUP OY Takkatie 3 PO Box 107 FI-00370 Helsinki T +358 9 506 091 sales@teknos.com Ref: 0059\_V2 The use of an alternative topcoat could have negative impact on the stated fire classification. Contact Teknos for further information

www.teknos.com



# FR SYSTEM SPECIFICATION

### **FIRE PROTECTION**

nterior Fire Retardant Translucent/Clear System for Wood

A fully factory applied fire retardant translucent or clear coating system for any substrate of all wood products meeting EN 13238 (panels according to EN 13986 or solid wood EN 14915, NB-CPR/SH02/19/832r2 paragraph 5.2.4) and class D-s2,d0 or better.

			<b>REPORT</b> K101/2023	<b>EN13</b> B-s				
	LAYER 1 Primer	LAYER 2 Top coat	SPECIFICATION FOR	BATTEN	MOUNTED	WOOD MOUNTED	PLASTER BOARD MOUNTED	
PRODUCT	TEKNOSAFE FLAME GUARD 2467-10	UVILUX 651	COLOUR	All colours				
RECOMMENDED Application	Spray	Roller	PROFILES Joints	see SH02 ref 5.2.4 Horizontal and vertical			I	
METHOD Application Temperature	Minimum 10°C		MOUNTING ORIENTATION		Woodbased material (EN13986): vertically or horizontally Wooden panels (EN14915): vertically Mounted with or without an unventilated air gap. The substrate behind the product shall consist of mineral wool with euroclass A1 and a thickness of at least 20 mm and a density			
WET FILM Thickness (g/m²)	≥250	≤12	AIR GAPS Battens Material	38 kg/m3 or a gypsum plasterboard (paper faced) or any end use substrate of Euroclass A1 or A2-s1,d0 at least 10 mm thick having a density ≥ 510 kg/m3. Wood or – non-combustible				
OVERCOAT TIME 23°C, 50% RH	4 hours	N/A	FIXING	Mechanically				
EQUIPMENT Cleaner	Water	Water	THICKNESS (MM) Density (Kg/M³)	10 510	18 433	8 338	8 338	
<b>Further information</b> Moisture content of the wood must be 10-12% Further product information can be found in the Technical Datasheets at teknos.com			CONSTRUCTION	Battens	Battens	The first substrate shall be mounted direct to a second substrate of wood in accordance to EN 13986 of at least Euroclass D-s2,d0 with a thickness of at least 10 mm and having a density of: ≥ 510 kg/m3.	The first substrate shall be mounted direct to a second substrate of gypsum plaster board (paper faced) or any end use substrate of Euroclasses A1 or A2-s1,d0 at least 10 mm thick having a density ≥ 510 kg/m3.	
TEKNOS GROUP OY Tak PO Box 107 FI-00370 Helsinki T +3 sales@teknos.com <sub>Ref:0059_V2</sub>		negative impact on the stat	The use of an alternative topcoat could have negative impact on the stated fire classification. Contact Teknos for further information			www.teknos.com		



# FR SYSTEM SPECIFICATION

### **FIRE PROTECTION**

Interior Fire Retardant Translucent/Clear System for Wood

A fully factory applied fire retardant translucent or clear coating system for any substrate of all wood products meeting EN 13238 (panels according to EN 13986 or solid wood EN 14915, NB-CPR/SH02/19/832r2 paragraph 5.2.4) and class D-s2,d0 or better.

			<b>REPORT</b> K101/2023		<b>3501-1</b> s1,d0			
	LAYER 1 PRIMER	LAYER 2 Top coat	SPECIFICATION FOR	BATTEN	MOUNTED	WOOD MOUNTED	PLASTER BOARD MOUNTED	
PRODUCT	TEKNOSAFE FLAME GUARD 2467-10	TEKNOCOAT AQUA 1864-62	COLOUR Profiles	All colours				
RECOMMENDED Application Method	Spray	Spray	JOINTS		see SH02 ref 5.2.4 Horizontal and vertical			
APPLICATION TEMPERATURE	Minimum 10°C		MOUNTING ORIENTATION	consist o	Woodbased material (EN13986): vertically or horizontally Wooden panels (EN14915): vertically Mounted with or without an unventilated air gap. The substrate behind the product sh consist of mineral wool with euroclass A1 and a thickness of at least 20 mm and a dens			
WET FILM Thickness (g/m²)	≥250	≤45	BATTENS MATERIAL	38 kg/m3 or a gypsum plasterboard (paper faced) or any end use substrate of Euroclass A1 A2-s1,d0 at least 10 mm thick having a density ≥ 510 kg/m3. Wood or – non-combustible				
OVERCOAT TIME 23°C, 50% RH	4 hours	N/A	FIXING			Mechanically		
EQUIPMENT Cleaner	Water	Water	THICKNESS (MM) Density (Kg/M³)	10 510	18 433	8 338	8 338	
Moisture content of Further product info	<b>Further information</b> Moisture content of the wood must be 10-12% Further product information can be found in the Technical Datasheets at teknos.com			Battens	Battens	The first substrate shall be mounted direct to a second substrate of wood in accordance to EN 13986 of at least Euroclass D-s2,d0 with a thickness of at least 10 mm and having a density of: ≥ 510 kg/m3.	The first substrate shall be mounted direct to a second substrate of gypsum plaster board (paper faced) or any end use substrate of Euroclasses A or A2-s1,d0 at least 10 mm thi having a density ≥ 510 kg/m3	
TEKNOS GROUP OY Takkatie 3 PO Box 107 FI-00370 Helsinki T +358 9 506 091 sales@teknos.com			The use of an alternative topcoat could have negative impact on the stated fire classification. Contact Teknos for further information				www.teknos.con	

sales@teknos.com <sub>Ref: 0059\_V2</sub>