

# PLAMOSTOP D



## Technical Data Sheet

### Description:

Water-based fire protective foaming intumescent coating material

### Usage:

Special one-component coat for fire protection of wooden construction in the environment type "X". The load-bearing capacity of the R structures is ensured in the range of 15 to 60 min, reaction to fire B, s1, d0 and doesn't support flame propagation throughout the structure Is 0. It can be applied by a roller, brush or airless-spraying. Applicable only by a trained person possessing a valid certificate. The mature paint can be removed with water and even moisture from human hands can cause it to stick. The coating is cured after 48 hours at a minimum temperature of 15 °C then it must be closed with a top coat AE 31, KE 53, KE 54, KE 30, KE 31, PE 33, PE 73, PE 84, S 2013 or TIXODECOR. Water-based paint cannot be used as a top coat!

### Certificates, protocols:

Declaration of Performance, 2019, Plamostop D

European technical assessment ETA 15/0424 of 19.8.2015

Confirmation, certificate of professional qualification VITON s.r.o., Aithon Ricerche International Srl

### Substrate:

wood

### Colours:

0000-colourless

### Specific gravity: (ČSN EN ISO 2811-1)

1,35 g/cm<sup>3</sup>

### Solids: (ČSN EN ISO 3251)

by weight 68 ± 2 %

by volume 57 ± 2 %

### Theoretical spreading rate: (ČSN EN ISO 23811)

undiluted paint			
100 µm DFT	4,2 m <sup>2</sup> /kg	5,7 m <sup>2</sup> /liter	238,0 g/m <sup>2</sup>
400 µm DFT	1,1 m <sup>2</sup> /kg	1,4 m <sup>2</sup> /liter	951,0 g/m <sup>2</sup>

To reach 100 µm DFT apply 175 µm undiluted paint. Practical spreading rate depends on application method and conditions, shape and roughness of the surface.

### Drying: (ČSN 673052)

120 µm WFT, temperature 23 ± 2°C, relative humidity 50 ± 5%, for airless application	surface dry (grade 1)	to touch (grade 3)	to manipulation (grade 4)
	30 minutes	3 hours	6 hours

Drying and recoatability time strongly depend on wet film thickness, temperature, humidity, ventilation and paint colour. Fully load and measure the coated film after 7 days, laboratory testing after 3 weeks of drying under the above conditions.

### Gloss: (ČSN ISO 2813)

Matt 2 GU, angle-wise 60°, for airless application

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### Supply viscosity:

Thixotropic liquid unmeasurable by ISO outflow cup type

### Application conditions:

The surface must be dry. The air, surface and paint temperature cannot decrease below +5°C during application and drying. Relative humidity cannot exceed 80%. The surface temperature must be at least 3°C above the dew point. The paint must be thoroughly mixed from the transport packaging before each use. The company must possess a written certificate issued by VITON s.r.o.

### Surface preparation:

Remove oil, grease, salt and other contamination from the surface with a suitable detergent according to ČSN EN ISO 12944-4.

Wooden surfaces: The surface must be dry and free of dirt, wax, grease, old paint, peeling and loose material. Repair cracks and holes with wood putty. Ensure that all sealed and glossy surfaces are thoroughly sanded. Use a vacuum cleaner to remove dust after sanding. To achieve a high quality interior surface, wood moisture is required up to 12%. The wood can be treated against insects, fungi and tinted with stains.

### Application method:

Airless spraying, airmix spraying, brush or roller.. For airless spraying use the nozzle orifice of Ø 0.011" - 0.021", nozzle pressure: 120 - 180 bar, adjust the angle of application to the shape of the surface. For airmix spraying use the nozzle orifice of 1.5 - 2 mm, nozzle pressure: 3 - 4 bar. For application by brush/roller select appropriate equipment according to the paint type and viscosity.

### Storage:

in the original unopened packaging at temperatures between +5°C and +25°C. CANNOT FREEZE!

### Packaging in kg:

20

### Notes:

DFT - dry film thickness  
WFT - wet film thickness

MS - medium dry matter  
HS - high dry matter

GU - Gloss Unit  
KU - Krebs unit of viscosity

All information given in this technical data sheet are based on our best knowledge, laboratory test results and practical experience to the date specified below. According to the fact that the conditions of the product's use are out of our control, we can only guarantee the product quality itself. As a producer we cannot be responsible for damage arising from the use of the products without following above recommended instructions or for improper purposes. We reserve the right to change above specified information without prior notice. Always request the actual version of the product data sheet. This technical data sheet replaces all previously released. The validity of the data provided here will be terminated automatically after five years.

