



STARDUSTCOLORS SAS

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Series : FINISHES

INTUMESCENT Class A2

Reference : SUHS-A

TECHNICAL DATA SHEET

Version : 06/08/2024

PRODUCT TYPE AND APPLICATIONS

SUHS-A clearcoat is a Euroclass Class A2 fireproof clearcoat (NF EN 13501-1 / NF P. 92.507)

The product Euroclass SUHS-A fireproof clearcoat is an architectural and decorative clearcoat. It is a high-gloss, solvent-free, multi-purpose finishing clearcoat.

This new generation UHS single-component water-based clearcoat has an innovative acrylic / aliphatic urethane formula that provides excellent general resistance, excellent flexibility, and adhesion to a variety of substrates, including certain plastics and metals.

SUHS clearcoat is suitable for both interior and exterior applications. It does not yellow, and its naturally anti-UV formula ensures excellent color protection and very long durability for exterior architectural applications

SCOPE OF APPLICATION

Clearcoat for building and architecture

Preparation :

On a sound surface* and sanded at 400 – 500

Approved on non-conductive material M0

The classification is valid for the following end-use conditions

Support : Without substrate

Depending on the nature of the support, carry out preliminary tests for good adhesion before any industrial production

* dust-free, degreased, dry, clean

RANKING

Fire reaction test : The M* or Euroclass classifications concern the fire reaction (flammability, smoke, etc.)

CLASSIFICATION OF THE REACTION TO FIRE Euroclass fire-resistant varnish (SUHS-A)
IN ACCORDANCE WITH NF EN 13501-1 : 2018

Classification report number : DO-24-6202\A-R1 (CREPIM Laboratory, France)

- ▶ Flame propagation, NF EN 13823+A1 : Compliant
- ▶ Flaming droplets/particles : Compliant

Classification :

The product, Euroclass fire-resistant varnish – Reference : SUHS-A, according to its fire behavior, is classified **A2**

The additional classification in relation to smoke production is : **S1**

The additional classification in relation to flaming droplets/particles is **d0**

In other words : A2 – s1, d0

fire behavior	smoke production		flaming droplets	
A2	S	1	d	0

COMPONENTS AND MIXTURE

Single component product and ready to use

If necessary, dilute with distilled water, or our S6 diluents.

From 5 to 10%

Be careful, in hot temperatures the viscosity drops quickly, and excessive dilution can lead to a drop in adhesion power

PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance	Colorless, shiny, smooth
Product Density	1.02 Grs/cm ³ ± 0.05
Calculated Solids by Weight :	38 % ± 4
Gloss Level :	+ 85°
NF4 Delivery Viscosity :	80' ±8
NF4 Mixing Viscosity :	-
Pot-Life Mixing :	-
Theoretical Yield	10 M ² / L / Layer
VOC	<35g / L
pH	8 / 8.5

APPLICATION SYSTEMS

HVLP Gun 1.2-1.5mm

AirLess

Roller

HOW TO USE

The mixture must be perfectly homogeneous.

Suggested application

±100Grs./M2 wet

Dry thickness : 25 - 50 µm dry

Apply With pneumatic gun or roller with 1 to 2 coats with an interval of 15 minutes

DRYING

At a temperature of 20°C :

- dust-free : 25 min,

- touch : 50 min,

- complete visible : 60 min

Cooking : Pre-drying in ambient air for 10 - 15 min then 80°C/ 20 to 30 min

STORAGE AND PACKAGING AVAILABLE

1 L / 5 L / 20 L

Maximum storage time :

6 MONTHS IN A TIGHTLY CLOSED CONTAINER