aerospace & advanced composites

AAC White

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

AAC White is an advanced 2K hybrid system, featuring very good anti-ice properties that reduce ice adhesion. This white-pigmented, room temperature curing system provides excellent protection for various substrates, shielding them additionally from corrosion, light and moisture. Its unique hydrophobic, slippery and low friction features ensure water repellency and reduce ice buildup. With remarkable durability and easy-to-clean benefits, AAC White is an ideal choice for long-lasting surface protection in diverse environments.

KEY FEATURES

- Anti-ice
- Hydrophobic
- Non isocyanate curing (NISO)
- High solid
- Non-stick effect
- UV resistance
- Good adhesion to various substates

TECHNICAL PRODUCT DATA

appearence	glossy
colour	white
solid content	72.8 %
chemical description	organic inorganic hybrid
solvent	n-butylacetate

APPLICATION RECOMMENDATIONS

i. SURFACE PREPARATION

The coating can be applied on a variety of surfaces, including stainless steel, galvanized steel, aluminum, glass, plastics (polycarbonate). Surface must be clean and dry, free from dirt, dust, rust, oil and grease. Remove old paints/coatings from the surface before the application of the AAC White. Sandblasting or grinding of metal substrates is recommended.

ii. MIXING AND COATING PROCESS

The components are delivered in two packaging units in the correct mixing ratio. Component A is added in component B and mixed by gently shaking the container to ensure proper mixing.

CONTACT

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In case that a different amount of material is preferred, the two components can be mixed with ratio (by weight):

Component A	Component B
1.0	0.1

The coating can be applied by dr. Blade technique, dipping or spraying. Overcoating after curing process is not possible due to non-sticky effect.

spray gun	compressed air
nozzle diameter	1.0 – 1.4 mm
Pressure	1.8 bar
humidity	55 RH%
thickness after curing	up to 100 µm

iii. CURING CONDITIONS

Curing temperature	Duration
Tack-free at rt	3 h
Dry through at rt	4 h
full chemical / mechanical properties (rt)	14 d

CLEANING AND DISPOSAL PROCESS

- Equipment should be cleaned promptly after use, before curing process starts.
- Uncured material can be removed with appropriate organic solvents, such as n-butyl acetate, xylene, acetone. Do not use water or alcohols.
- The remaining portions of the product should not be mixed with other liquid or solid waste. Instead, they should be collected separately in suitable, dry, and pressure-resistant containers.
- Containers with material leftovers should be disposed according to regulations (see SDS). Upon Transportation, the containers must be securely sealed.

SAFETY AND STORAGE INFORMATION

- Overpressure can build up in the containers (possible gas release). Open carefully.
- Unopened containers should be stored up to max. 25°C, in dark, dry and adequately ventilated places.
- Opened containers and unmixed products should be kept tightly sealed and stored in cool areas, at max. +15°C under dry and adequately ventilated conditions.

- Use with very good ventilation only
- Shelf life of unopened containers: max. 3 months from production (see conditions above).
- Shelf life of opened containers: max. 1 week from opening (see conditions above).
- Self life of mixed products: max. 8 hours (see conditions above).

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