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AAC 2000 EC

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

AAC 2000 EC is an advanced 1K solvent-based, completely free of fluorocarbons, high temperature curing system for special industrial applications. AAC 2000 EC has been designed to protect various substrates exposed to harsh conditions, including low and high temperatures, corrosion, light, moisture, salt and dirt. These coatings provide an exceptional combination of release and easy-to-clean properties, as well as superior durability against chemicals, mechanical stress, light and thermal fluctuations.

KEY FEATURES

- PFA-free
- Easy-to-clean
- Non-stick and release effect
- Dense and compact coating
- Abrasion resistance
- Chemical and thermal resistance
- UV resistance, no discoloration
- Good barrier to oxygen and water
- Good adhesion to various substates

TECHNICAL PRODUCT DATA

appearence	trasparent
colour	colorless
solid content	37.1 %
chemical description	modified ceramic
solvents	xylene, n-butylacetate
density (23 °C)	0.92 g/cm^3
viscosity (23°C)	16 – 39 cP

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 2000 EC.

Sandblasting or grinding of metal substrates is recommended (max. Rz value 25-30% of desired thickness).

CONTACT

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ii. COATING PROCESS

Before using, gently shake the container to ensure proper mixing. Avoid excessive shaking and open the bottle carefully, due to possible gas release.

The coating can be applied by spraying and 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 15 µm

iii. CURING CONDITIONS

Curing temperature	**Duration**
160 °C (130 °C)	1 h (3h)

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/ opened containers should be stored at cool (max. +25°C), dark, dry and adequately ventilated places.
- Use with very good ventilation only
- Refer to the Material Safety Data Sheet (SDS) before using this product.
- Shelf life: 6 months from production (see conditions above)

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