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AAC 1110 EC

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

AAC 1110 EC is a high-performance, 2K solvent-based system that cures at room temperature, specifically engineered for advanced industrial applications. It combines exceptional electrical conductivity with superior non-stick properties, ensuring also resistance to chemicals, thermal fluctuations abrasion and wear. Its robust formulation makes it the ideal solution for surfaces exposed to harsh contamination, solvents, adhesives, cleaning agents, and moisture, while also meeting the demands for reliable electrical conductivity

KEY FEATURES

- Electrically conductive
- PFA-free
- Easy-to-clean
- Release effect
- Abrasion resistance
- Good chemical, mechanical and thermal resistance

TECHNICAL PRODUCT DATA

appearence	opaque
colour	black
solid content	45.1 %
chemical description	modified ceramic
solvents	n-butylacetate
density (23 °C)	0.95 g/cm^3
viscosity (23°C)	37 – 47 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 1110 EC.

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

CONTACT

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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. Avoid excessive shaking and open the bottle carefully, due to possible gas release.

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

Component A	Component B
1.7	3.3

The coating can be applied by spraying and overcoating after curing process is not possible.

spray gun	compressed air
nozzle diameter	1.0 – 1.4 mm
pressure	1.5 bar
Humidity	55 RH%
thickness after curing	up to 10 µm

iii. CURING CONDITIONS

Curing temperature	Duration
room temperature (dry-to-touch)	30 min
room temperature (fully cured)	12 h

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.
- 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 in cool areas, at max. +8°C under dry and adequately ventilated conditions.

- Opened containers and unmixed products should be kept tightly sealed and stored in cool areas, at max. +8°C under dry and adequately ventilated conditions.
- 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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