

AEC 1K INDUSTRIELAK

TECHNICAL DATA SHEET

DESCRIPTION:

Quick-drying finish based on air-drying alkyd resins.

FIELDS OF USE:

Agricultural machinery, industrial framework, steel structures, containers, etc...

SUBSTRATE SURFACE PREPARATION:

The product only has good direct adhesion to iron; on other metals, the application a coat of primer is required. The cleaning of the surface must be careful and complete and constitutes a necessary and fundamental for the good success of the painting.

- Ferrous surfaces: sandblasting to degree SA2 1/2 to remove all traces of rust, scale, grease and humidity from the surface or the surface must be perfectly sanded mechanically with abrasive paper then it must be degreased with thinner . Apply a coat of primer. After complete drying, apply the finishing lacquer. For economical finishes the product can be applied directly.
- Aluminium: Chromate or phospho-chromate, as an alternative sanding with abrasive paper and application of a layer of epoxy primer.
- Galvanized sheet: light sanding with abrasive paper then degreasing or application of a layer of epoxy primer.

PRODUCT PREPARATION

Mix well until you get a uniform consistency and color. Dilute with 10% of our thinner or synthetic to obtain a viscosity of 20-25" Ford 4 at 20°C. The product can also be applied undiluted.

APPLICATION

Airmix: 1.4-1.7 mm nozzle and 3-5 atm
Roller or brush: only for large surfaces 1

TECHNICAL CHARACTERISTICS

TYPE OF PRODUCT :	Mono-component
FILM APPEARANCE (ASTM D 523):	gloss ±95 gloss at 60°
COLOURS:	on request
SPECIFIC WEIGHT (ISO 2811):	1.04 kg/Lt (± 0.06)

SUPPLY VISCOSITY (DIN 53211):	8" Ford 8 at 20°C (± 2")
DRY BY VOLUME:	41% (±2%)
DRY RESIDUE:	42% (±2%)
DRYING (20°C):	<ul style="list-style-type: none"> - Dust free: 20 - 30 minutes - Total drying: 24 - 36 hours - Maximum chemical resistance: 10 days
RECOMMENDED LAYERS:	One layer
RECOMMENDED THICKNESS:	40-60 µm
THEORETICAL PERFORMANCE:	10 m ² / kg
SALT SPRAY (ASTM B 117):	200 hours in direct adhesion for a 50 µm film, more than 500 hours with primer for a total thickness of 120 µm.
ADHESION (ASTM D 3359):	B=5 on iron, aluminum and on galvanized surfaces treated as indicated above.
SHOCK RESISTANCE TEST: (ASTM D 2794):	above 36 kg direct, 15 kg inverted
QUV-Panel TEST (ASTM D 4587):	<6 after 500 hours

CJ9F7C5HB; .

Within 3 hours, wet on wet. After this period defects may appear, so it is advisable to apply a single coat of product.

GH56-@HM
GHCF5; 9.

One year in intact packaging, in a cool, dry place away from heat sources.



2022

Note: surface should be dry and free from any contamination

In no event will AEC Paints be liable under any theory of recovery (whether based on negligence of any kind, strict liability or tort) for any indirect, special, incidental, or consequential damages in anyway related to, arising from, or resulting from any use made of the product. The information in this sheet is intended for guidance and is based upon laboratory tests that AEC Paints believes to be reliable. AEC Paints may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the AEC Paints product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of AEC Paints's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that buyer has done so, as its sole discretion and risk. AEC Paints has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. therefore, AEC Paints does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise.) Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. his sheet supersedes all previous versions and it is the buyer's responsibility to ensure that this information is current prior to using the product.