

ALFA-POX 1690 AS

PRIMER EPOXY ANTICORROSION HIGH SOLIDS 2C.

Edition: 024 2017/12

Cod: 3169000000.00000.024

DEFINITION

High Solids Anticorrosion Epoxy Primer cured with amine adduct. Fulfills the INTA 16 44 02 norm.
Low content in organic components (VOC). Two components.

UTILIZATION
"USE ONLY IN INDUSTRIAL FACILITIES"

It can be used on sectors as valves, internal part of steel or concrete tanks containing a wide range chemical products, without polluting them: Solvents, acids and alkalis, saline solutions, water, petrol, etc.

(Check topcoats and products in contact)

PROPERTIES

Easy applying. High build and flexibility. Resists the contact with hot water up to 55°C.

Dipping in organics acids or strong minerals is not recommended.

Used as an intermediate coat on F-286/2 conforms a system with C5-M resistance according to the norm ISO 12944-2.

ALFA-POX 1690 + URKI-NATO meets the requirements of C5-I HIGH in accordance to ISO 12944 certified by an approved independent Laboratory (Shotblasted SteelSa 2 ½)

ALFA-POX 1690 + URA-PUR 360 meets the requirements of C4 HIGH in accordance to ISO 12944 certified by an approved independent Laboratory (Shotblasted SteelSa 2 ½)

PHYSICAL PROPERTIES

Density at 20°C (g/cc)	1,45 ± 0,05
Grinding Fineness (µ)	40 - 50
Supply viscosity at 20°C	105 - 120 KU (Stormer)
% Solids content (volume)	78,5 % ± 2 weight; 66 % ± 2 vol.
V.O.C. (g/l)	300 (Mixed with hardener)
Type of product	Epoxy - Amine Aduct
Colour	7024 Grey, 7035 Grey, 7705 Grey, 9676 White

SURFACE PREPARATION

-Steel: Sand-blasting Sa 2 ½ or Sa3 (Swedish norm SIS 05 59 00).

Blast, between 40 and 75 my.

-Concrete: Must cure at least 30 days at 23°C and H.R. : 50 %. The surface must be treated with an abrasive jet in order to eliminate slurries and clean cracks.

The surfaces must be clean, dry and free of any polutants (grease, oil, weld spatter, dust, etc.)

GROUNDINGS

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Directly on properly prepared steel and concrete.

Also on F-286/2 Shop-Primer Epoxy 2K.

APPLICATION INSTRUCTIONS



E-350
7:1 vol
10:1 weight



> 8 h.



Air-less 70-80"
Spraygun 40-60"
Ford nº 4



URKISOL 3003/357
10-15 %
2,8 mm. ø



100-150 my



10 h.



10-15'
(between coats)



URKISOL 3003/357
0-5 %
0,4-0,5 mm.



URKISOL 3003/357
0-5 %
(just small surfaces)



URKISOL 3003/357
0-5 %
(just small surfaces)

Cleaning Thinner URKISOL 700 E, URKISOL 200 or P-1.

PROCESS

Remove with mechanical agitation both components separately until they are properly mixed. Mix the right ratio and shake continuously until completely homogeneizing.

We recommended not making partials mixing.

Recoat with enamel Epoxy and PUR 2K. When forced drying is required, to recoat, the temperature has to be below 60°C and less than 1 hour.

FEATURES OF DRY FILM

Theoretical yield (m ² /l)	4,5 - 5 (125 my)
Gloss 60°-60°	Mat- Satin
Second layer	24 h.

RESISTANCES

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Max. continuous temperature exposure	100°C
Resistance to Xylene (4 days)	No softening
Resistance to Diesel fuel (4 days)	No softening
Oil Resistance SAE30 (4 days)	No softening
Dipping water resistance	No softening. No blistering
Temperature resistance 160°C (5 h.)	No lack of adhesion
Cryogenic temperature (-196°C)	No lack of adhesion (1)
Resistance against mix of vegetable oil, Metanol and Sulfuric Acid pH 1-2	No softening
Adhesion	Gt - 0

(1) Recoated with BESA-GLASS with the same result. Cycled test Cryogenic Temperature (-196°C) and forced drying (120°C)

REMARKS

For internal parts of tanks an adequate ventilation is required. Apply heat to assure the curing and increase of the resistance of the coating.

Minimum temperature must be 15°C.

Do not apply if temperature is not at least at 3°C above dew point.

The excess of humidity during application or curing might cause blooming or white stains that should be eliminated with water before recoating.

STORAGE

Keep under cover in a cool and well-ventilated place avoiding direct sunlight. Temperatures between 5 and 25°C recommended.

Can life: **12 months** from manufacturing in date its original unopened container. Consult our Technical Department once date has expired.