



## TECHNICAL DATA SHEET



# WASH PRIMER WP 110

WASH PRIMER  
ANTICORROSIVE  
Single component

Edition December 07

**BONDING INTERCOAT TO PROTECT ALUMINIUM AND ALLOYS.**

**Two component wash-primer with zinc chromate providing high resistance to filiform corrosion.**

### FEATURES

**WASH PRIMER WP 110** is a Green/yellow two component wash-primer with zinc chromate providing high resistance to filiform corrosion.

This wash primer has been developed to increase adhesion of paint system, as well as epoxy laminating and bonding systems, on aluminium and aluminium alloys substrates. Can be used before primer AEROPRIM 140.

**WASH PRIMER WP 110 :**

Fast drying times. Recoatable 1 to 2 hours after application.

**WASH PRIMER WP 110** can be applied in thin film of 5 to 10 microns.

**WASH PRIMER WP 110** can be applied only by professionals.

### RECOMMENDED USES

Application on aluminium and alloys:

- aluminium hulls
- spars
- over water line areas

**ATTENTION:**

WASH PRIMER APPLICATION IS FORBIDDEN ON ALL SURFACES HAVING CHEMICAL TREATMENT, EXCLUDED SURFACES HAVING METAL CLEANER TREATMENT.

Meets AIRBUS requirements TNA 10113 and Mil C 47159.  
Meets French Air Force requirements (STPA MA)

### SPECIFICATION DATA

**COATING TYPE:** Anticorrosive wash primer with chromate

**COLOR :** Green/Yellow

**GLOSS :** Matt

**COMPONENT :** Two component

**COMPONENT RATIO :**

- Weight : 100 Base / 89 Hardener
- Volume : 1 Base / 1 Hardener

**INDUCTION TIME (at 20°C) :** 20 minutes

**POT LIFE (at 20°C) :** 8 hours

**THINNER :** WP N°1

**DENSITY at 20°C :** 0,9 +/- 0,1%

**VOLUME SOLIDS :** 6 +/- 4%

**VOC :** 610 g/l

**THEORETICAL SPREADING RATE :**

12,4 Sq.m/L at 5 dry microns

**RECOMMENDED FILM THICKNESS PER COAT :**

Dry : 5 to 10 microns

Wet : 80 to 160 microns (70 g/m<sup>2</sup> to 140 g/m<sup>2</sup>)

**DRY TIME (at 20°C – 50 to 60 % HR) :**

Dustfree : 10 minutes

To handable : 1 hour

**DRY TIME TO RECOATABLE :**

(at 20°C – 40 to 60 % HR at 20 dry microns) :

Minimum : 1 hour

Maximum : 16 hours otherwise refresh by a new coat

**MAXIMUM TEMPERATURE RESISTANCE:** 100°C

## SURFACE PREPARATION

**All surfaces must be free of oil, grease, salt and moisture.**

On aluminium alloys : Clean and degrease the substrate perfectly, and sand with orbital air tools grade 80/120, or fine scotch-brite® grade A, until a uniform and matt aspect is obtained. Then, clean again with solvent.

**Do not apply on steel**

For other type of metal or other application, contact our technical department because a sandblasting may be necessary.

Le **WASH PRIMER WP 110**, can be recoated by systems AEROPRIM EPU 123 and EP 140.

For all other types of coating, contact us.

## MIXING AND THINNING

Before mixing the components, mix carefully the base portion first to obtain a smooth, homogeneous condition. After mixing the base portion, add the hardener slowly with continued agitation. After adding the hardener, continue to mix slowly.

After 20 minutes of induction time, it's possible to diluate from 0 to 50 % of WP N°1 (depends on application conditions or method).

You must check the viscosity with cup DIN or AFNOR.

Spray gun application : check the viscosity every 2 hours. Don't forget to mix after every dilution.

## APPLICATIONS

APPLICATION METHOD		THINNER	TIP SIZES	PRESSURE
BRUSH	Spot finishing	NONE		
ROLLER	Spot finishing	NONE		
SPRAY GUN	YES	0 to 50%	1,2 to 2	2 to 4 BARS
AIRLESS SPRAY	YES	2 to 5%	0,011 to 0,013 mm (30 to 60°)	100 to 200 BARS

ATTENTION : CAN NOT BE APPLIED WITH AN ELECTROSTATIC GUN

### CONDITIONS FOR APPLICATION :

Optimum : 20 to 25 °C for 50 to 70 % HR

Limit : 15 to 30°C for 40 to 80 % HR

The substrate temperature must be at least 3°C above the dew point to avoid any condensation – consult the conversion table available at Map Yachting.

**VISCOSITY** : 15 s to 16 s Cup AFNOR n°4

50s to 60 s Cup AFNOR n°2,5

15 s to 16 s Cup DIN n°4

## PRECAUTIONS AND SHELF LIFE

See the material safety data sheet and product label for complete safety and precaution requirements

**PACKAGING** : KIT of 2 or 10 Liters

**CLASS ONU** : 1263

**SHELF LIFE** : 24 months in original unopened cans at + 5 and + 35 °C away from humidity - 12 months in tropical climate

**FLASH POINT** : Base and Hardener : <= 21°C

**LABEL** : Base = F : Highly flammable T : Poison Hardener = Xi : Irritant



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