



Description

PU88 matt camouflage topcoats are the C.A.R.C., conventional, ambient cured, acrylic-urethane topcoats of the A21 – F61 scheme for French Land based Defence; they are designed to be applied on epoxy or polyurethane primers, and allow exterior protection of military equipment against all specific military aggressions.

They are qualified with Celopox 2000SC to DAT C 8010X0003 specification or meet the technical requirements of this spec.

PU88 can be delivered in a full range of colors with various Near-Infrared Reflectance properties.

Part number

Base 5555/ . . .
Activator 0706/9000M
Thinner (optional) 0575/9000

V.O.C. > 600 g/l

Flash point (Closed Cup)

Base / activator / thinner $\geq 22^{\circ}\text{C}$

Gloss (60°) < 8 %

Application properties

Application temperature

The best conditions for applying PU88 topcoats are $15^{\circ}\text{C} - 35^{\circ}\text{C}$ ($59^{\circ}\text{F} - 95^{\circ}\text{F}$).

Application humidity: 30 % – 80 %.

For temperature or humidity outside these limits, contact us.

Surface preparation

Good surface preparation is essential to ensure the full protective properties and maximum adhesion of the coating.

Fresh Epoxy or PU primer

Overcoat without any other precaution than avoiding dust or grease pollution.

Fresh PU88 topcoats

Same procedure as here above.

Aged coatings

A typical procedure for applying new schemes over an aged coating requires the following steps :

- abrade the surface with 240 grit sandpaper to reactivate the surface
- solvent wipe the surface and wipe dry
- apply Celopox 2000SC primer

Spray equipment

PU88 topcoats have been developed for use with all forms of spray equipments.

	Conventional	Airless®
Tip size	1.5 mm	0.33 mm
Angle	-	67 or 80°
Pressure	air : 3 – 5 bars (45 – 70 psi)	100 – 130 bars (1500 – 1950 psi)

Brush: for touch-up (no thinner).

For Airmix®, electrostatic application or any information on application parameters, contact us.

Mixing

Base 2 Vol.
Activator 1 Vol.
Thinner to viscosity
Viscosity 25 – 35 seconds Afnor 4

Pot life

4 – 5 hours @ 23°C

Dry film thickness

15 to 80 μm (depending on color).

Theoretical coverage

4 to 8 m^2/litre at recommended dry film thickness (depending on color). Consult us.

Clean up

0575/9000 thinner is recommended

Drying

Air drying

At $23 \pm 3^{\circ}\text{C}$ and $50 \pm 5\%$ R.H.

Dust free 10 – 30 minutes
Dry to touch 1 – 4 hours
Dry to tape 7 – 9 hours
Dry to topcoat wet on wet possible
(consult us)
72 hours maximum

Full cure 7 – 10 days

Accelerated cure

Flash off Stoving	10 – 20 min. @ room T° contact us
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<i>Before any test according to spec. DAT C 8010X0003</i>	24 h @ room T°, followed by 24 h @ 70°C and 24 h @ room T°
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Storage and shelf life

The shelf life of the base and the activator is 24 months from date of manufacture in unopened containers (storage temperatures between +5°C and +30°C).

Thinners and clean up solvents: no shelf life.

Inspect regularly the condition of the containers to ensure a safe storage.

Health Precautions

This product is safe to use and apply when recommended precautions are followed. Before using this product, read and understand the Material Safety Data Sheet (M.S.D.S.) which provides information on health, physical and environmental hazards, handling precautions, and first aid recommendations.

An M.S.D.S. is available on request.

Avoid overexposure.

All mixing and spraying must be conducted with adequate ventilation and proper personal protective equipment is recommended. Obtain medical care in case of extreme overexposure.