



PUFFIN HELMET TOPCOAT PU CLEAR

Two component aliphatic polyurethane clear coat with gloss/doff finishing. This product is heavy duty premium coatings system . It is high gloss with best gloss retention Can be used as top for helmet coatings system . Suitable for ABS PLASTIC

1. Properties

COLOR	Clear doff & clear gloss
GLOSS LEVEL	Gloss (75-85)DOFF(0-35)
FILM THICKNESS, DRY (µm)	10-20
FILM THICKNESS, WET (µm)	24-45
THEORETICAL SPREADING RATE (M ² /L)	46-23
SOLIDS (VOL %)	46± 2
DENSITY (g/cm ³)	1
FLASH POINT	26°C ± 2%
PRACTICAL COVERAGE	ALLOW APPROPRIATE LOSS FACTORS

2. Characteristics

Recommended

For ABS Plastic, helmet, otomotive

3. Usage

1) Surface preparation:

To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination. Oil or grease should be removed.

2) Substrate Minimum Recommended :

The surface should be assessed and treated in accordance with Substrate Minimum Recommended:

For ABS Plastic : Clean, dry and free from any contamination

For coated substrated : clean ,dry , free for any contaminations and undamaged compatibility coatings

3) Application:

Airless spray, airspray, brush, roller

Spray; Recommended : Pressure at nozzle (minimum):
150 bar/2100 psi
Nozzle tip (inch/1000): 11-17
Filter Check to ensure that filters are clean.

4) Mixing ratio

Base A : 2
Base B : 1
Induction 10 min
Pot life: 3 Hour
Cleaning and tinning: Puffin PU Thinner
For tinning max 30 %.

5) Drying and Curing time:

Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product.

Walk-on-dry: Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprints or other physical damage.

Surface (touch) Dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Dried /Cured for service: Minimum time before the coatings can be permanently exposed to the intended environment /medium

SUBSTRATE TEMPERATURE (°C)	5	10	23	40
SURFACE DRY (minute)	4	4	3	2
DRY ON WALK (hours)	12	8	2	2
Dry to over coat, minimum (hours)	12	8	2	2
Dried / Cured for service (days)	21	14	7	4

6) Heat resistance

Temperature : Continuous Peak
Dry :atmospheric 120'C 140'C

Peak temperature duration max. 1 hour.

The temperatures listed relate to retention of protective properties. Aesthetic properties may suffer at these temperatures.

7) Product compatibility :

Depending on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product.

Some examples are shown below

Previous coat: ACRYLIC /NC DUCO

4. Precaution

- 1) Ensure to clean the surface before application.
- 2) Health and safety : Please observe the precautionary notices displayed on the container.
Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.
- 3) Storage : The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care. Shelf life at 23 °C : 48Month(s)

5. Packing :

20 L

