



PUFFIN ANTIHEAT ULTRA

Puffin Antiheat Ultra is temperature reducing paint with two components aliphatic polyurethane with hollow microposphereis. This product has thermal insulation which can reduce temperature 5-15 degree celcius up tp 10 years.

Features

- Waterbased
- Low VOC
- Formal dheyde Free
- Heavy Metal Free
- APEO free
- Carbendazim Free
- Satin finishing
- Low odour
- Reduce temperature 5-15 Celsius
- Environment friendly

Recommended use

As top coat exterior roof and wall
Suitable for new or painted exterior concrete masonry, plaster, brickwork, abs plastic, hdpe plastic, Wood, galvalum, alummunium, zinc metal .

COLOUR	White, Cream, Grey, Blue
GLOSS LEVEL	Gloss (<65)
FILM THICKNESS, DRY (µm)	40-60
FILM THICKNESS, WET (µm)	80-120
THEORETICAL SPREADING RATE (M ² /L)	12.5 – 8.5
SOLIDS (VOL %)	56± 2
DENSITY (g/cm ³)	1.1

FLASH POINT	26°C ± 2%
PRACTICAL COVERAGE	ALLOW APPROPRIATE LOSS FACTORS

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.

Substrate Minimum Recommended :

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

For carbon steel substrate : Sa 2½ (ISO 8501-1)

For concrete : Min Age of concrete 1 months with PH<9 , moisture content < 17 %. Clean ,dry and free from any contamination

For wooden substrate: Clean and dry surface. Surface contamination is to be removed by detergents and fresh water cleaning.

For Stainless steel: Cleanliness and surface profile corresponding to Sa 2½, Fine G (ISO 8503-2) Cleanliness and surface profile corresponding to Sa 2½, Fine G (ISO 8503-2)

For Aluminium: The surface shall be hand or machine abraded with non-metallic abrasives or bonded fibre machine or hand abrasive pads to impart a scratch pattern to the surface and to remove all polish from the surface. Dry abrasive blast cleaning to SSPCSP 13/NACE No. 6.

For Galvanised steel: The surface shall be clean, dry and appear with a rough and dull profile. Light brush blasting using nonmetallic abrasive leaving a clean, rough and even pattern. Coated surfaces Clean, dry and undamaged compatible coating (ISO 12944-4 6.1) Clean, dry and undamaged compatible coating (ISO 12944-4 6.1)

For stone : Clean ,dry and free from any contamination .

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

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

Application:

Airless spray, airspray, brush, roller

Spray recommended:

Pressure at nozzle (minimum): 150 bar/2100 psi

Nozzle tip (inch/1000): 13-19

Filter Check to ensure that filters are clean.

Brush Recommended:

For stripe coating and small areas.

Care must be taken to achieve the specified dry film thickness.

Mixing ratio

Puffin AntiHeat Ultra base A: 4

Puffin Antiheat Ultra base B: 1

Pot life

2 Hour

Cleaning and tinning

Puffin PU Thinner

For tinning max 20%.

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

SUBTRATE 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

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.

Product compatibility : Depend 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: Epoxy primer, epoxy zinc rich primer, zinc ethyl silicate

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)

Packing size : 5L & 20L Set