



PUFFIN BUNGLON

Is one component thermoplastic acrylic coating with chameleon finishing. Can be use as top coat or single coat in exterior normal atmospheric environments. Suitable for carbon steel, iron, aluminum, galvanized steel, concrete, stainless steel, stone, plastic ABS and wooden substrates.

1. Properties

COLOR	Available
GLOSS LEVEL	Gloss (70-85)
FILM THICKNESS, DRY (μm)	30-40
FILM THICKNESS, WET (μm)	90-120
THEORETICAL SPREADING RATE (M^2/L)	11.5-8.5
SOLIDS (VOL %)	34 \pm 2
DENSITY (g/cm^3)	1.1
FLASH POINT	25°C \pm 2%
PRACTICAL COVERAGE	ALLOW APPROPRIATE LOSS FACTORS

2. Characteristics

1) Recommended

Steel structure, wooden, stainless steel, iron, aluminium, galvanized steel, plastic ABS, stone and concrete exterior

3. Usage

1) Surface preparation:

For lasting adhesion to the subsequent product, all surfaces must 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 recommend:



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

For Aluminum: Abrasive blast cleaning to achieve a surface profile using non-metallic abrasive media which is suitable to achieve a sharp and angular surface profile.

Galvanized steel: the surface must be clean, dry and appear with a rough and dull profile sweep blasting.

For Galvanized steel: Sweep blast-cleaning using non-metallic abrasive leaving a clean rough and even pattern

For Stainless steel: Abrasive blast cleaning to achieve a surface profile using non- metallic abrasive media which is suitable to achieve a sharp and angular surface profile

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

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

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

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

For coated substrate: clean, dry, free from any contaminations and undamaged compatibility coatings

3) Application:

Airless spray, airspray, brush, roller
Spray: Pressure at nozzle (minimum):
150 bar/2100 psi

Nozzle tip (inch/1000): 18~21

Filter Check to ensure that filters are
clean. Brush: For stripe coating and
small areas

Care must be taken to achieve the
specified dry film thickness

Roller: For small areas. Not
recommended for first primer coat.
Care must be taken to achieve the
specified dry film thickness.

4) Dilution

Puffin thinner HG

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.

Dry to over coat, minimum: The
shortest time allowed before the next
coat can be applied.

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



SUBSTRATE TEMPERATURE (°C)	5	10	23	40
SURFACE DRY (hours)	10	6	3	1
DRY ON WALK (hours)	20	10	5	3
Dry to over coat, minimum (hours)	12	6	3	1

6) Heat resistance temperature :
Dry
:atmospheric

Continuous Peak
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:

Depends 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:
Subsequent coat:

Epoxy, Vinyl, Acrylic
Acrylic, PU

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:

1 L & 5 L & 20 L