



## PUFFIN WATERPROOF ULTRA

Puffin Waterproof Ultra is low odor and environment friendly acrylic and polyurethane dispersion base waterproof emulsion paint with sheen finishing. This product is heavy duty waterproofing protection for wall and concrete.

### Features

- Water based
- Smooth Satin Finishing
- Heavy Duty Waterproofing
- Low Odor
- LowVOC
- FormaldehydeFree
- Heavy Metal Free
- APEO Free
- Carbendazim Free
- Environment Friendly

#### Recommended use

As waterproof coat for wall and concrete. Suitable for new or painted interior & exterior concrete masonry, plaster and brickwork

Film thickness and spreading rate	Minimum	Maximum	Typical
Film thickness, dry (um)	30	40	35
Film thickness, wet (um)	79	105	92
Theoretical spreading rate (m <sup>2</sup> / l)	12.6	9.5	10.8

## Physical properties

Color	White
Solids	(vol %)* 47+/-2
Flash point	Nonflammable
Water resistant	Good
Sanding properties	Excellent

## Application methods

Roller	Recommended
Brush	Recommended
Spray	Use airless spray or conventional spray

## Application data

Mixing ratio (volume)	The paint is ready to use after proper stirring if thinning is required water may be added up to a maximum of 5%
Thinner/ cleaner	Water

## Guiding data airless spray

Pressure at nozzle	140-190 kg/cm <sup>2</sup> (2100psi)
Nozzle tip	0.021"-0.027"
Spray angle	65'-80'
Filter	check to ensure that filters are clean

Drying time	Drying time are generally related to air circulation, temperature, film thickness, and number of coats, and will be affected correspondingly.
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The figures given in table are typical with:

- Good ventilation(outdoor exposure of free circulation of air
- Typical film thickness
- One coat on top of inert substrate
- Relative humidity 70 %

Substrate temperature	10'C	23'C	40'C
Surface dry	2h	1 h	0.5 h
Through dry	8h	6h	4h
Dry to re coat minimum 1	4h	2h	1h
Dry to rec oat minimum 2, 3			

1. Recommended data given for re-coating with the same generic type of paint
2. In case of multi coat application, drying time will be influenced by the number and sequence and by total thickness of previous coats applied-reference is made to corresponding system data sheet
3. The surface should be dry and free from any contamination prior application of subsequent coat

The given data must be considered as guidelines only, the actual of drying time /time before re coating may be shorter or longer depending on film thickness, ventilation ,humidity ,underlying paint system, requirement for early handling and mechanical strength etc, a complete system can be described on a system sheet ,where all parameter and special condition could be included.

#### Typical paint system

Puffin Waterproof Ultra

2-3 coat cross application

Other system may be specified depending on area of use

#### Surface Preparation

All surfaces must be thoroughly cleaned and free of all dirt, dust, grease, loose or flaking paint. Efflorescence or mould on masonry or concrete surfaces must be treated. Occasionally an apparently sound old paint will lose adhesion when recoated, particularly if the new paint is darker in color. To avoid this, check the adhesion of the old paint by cutting an 'X' through a clean area of the film with a sharp blade, press cellulose tape firmly across the cut and rip it off. If the old paint comes off with the tape it should be removed before repainting.

Clean Up	Clean all equipment with water
Condition during application	Apply at a temperature between 10°C and 35°C, Temperature of substrate should be minimum 3°C above the dew point of the air, the temperature and relative humidity should be measured in vicinity of substrate
Storage	The product must be stored in tightly closed container and keep container in dry cold, well ventilation space, away from source of heat and ignition.
Handling	Handle with care, stir well before use
Packing size	1KG, 2.5KG, 20KG