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PUFFIN GLOW IN THE DARK WATER BASE

is a low odour and environment friendly waterbase glow in the dark acrylic emulsion paint. This product can be use as top coat or single coat in interior environment for safety line or marking line for emergency. Suitable for wood , wall, concrete, iron substrate .

Features

- Water based
- Fast dry & brush mark free
- Low VOC
- Formaldehyde Free
- Heavy Metal Free
- APEO Free
- Carbendazim Free
- Low Odour
- Available in clear, Fluorescent, Glow in the dark, oxide transparent, oxide solid colour
- Environment friendly

Recommended use

For use as top coat for emergency line or safety line. Suitable for wood ,wall and concrete. Suitable for new or previously painted interior concrete masonry, plaster, brickwork , gypsum and wood panel

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (um)	30	40	35
Film thickness, wet (um)	83	111	95
Theoretical spreading rate	12	8	9

Physical properties

Colour	Hazy clear
Solids (vol %)*	36+/-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 ² (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. 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 multl 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

Wood, coated wood panel , coated roof,
coated wall 1-2 coat

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 if 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

1L & 4 L & 20L