



## PUFFIN RUST CONVERTER

Is an anionic modified acrylic emulsion water base with rust converter additive paint. This product function is converting rust to black iron. Suitable as primer paint in repair paint system for rusting iron steel and other metal surface without mechanical process.

### Features

- Water base
- Fast dry
- Low VOC
- Formaldehyde Free
- Heavy Metal Free
- APEO Free
- Carbendazim Free
- Easy application by roll, brush and spray

### Recommended use

As primer and rust converter in repair coatings system for rusting metal substrate

### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (um)	20	40	35
Film thickness, wet (um)	100	200	150
Theoretical spreading rate	4	6	5

(m<sup>2</sup>/ kg)/1 coat

## Physical properties

Colour	haze clear
Solids (vol %)*	22+/-2
Flash point	Nonflammable

## Application methods

Roll m system	Recommended
Brush system	Recommended
Wash system	Recommended
Spray system	Recommended

## 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'

## 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:

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- 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	4h	2h	1 h
Through dry	12h	10h	6h
Dry to re coat minimum 1	8h	4h	2h

**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**

Primer rust converter for repair paint

system for rusting metal substrate

Other system may be specified depending on area of use

**Surface Preparation**

The rusting metal substrate must be thoroughly cleaned and free of all dirt, dust, grease

**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**

0,25 & 0,5 & 1 & 5 & 20L