



PUFFIN SILCOAT GUARD

A Mineral based exterior paint; combination binding agent of sol gel and potassium silicate with biocide free. Recommended for exterior old substrate without using alkali primer.

Features

- No need primer / anti-alkali (Save cost and effort)
- Contain pure inorganic mineral fillers, earth oxide colour pigments, potassium silicate and silica sol binders. Water based biocide free. Free from dangerous material
- Breathable, the walls can breathe and remove moisture
- Non-flammable
- Low Odour & Environment friendly. No solvents and plasticizers added
- Fast dry & Low VOC
- Super durable, acid and UV resistant
- Resists algal and fungal growth

Recommended use

For all mineral, absorbent surfaces, in Particular suitable for restoration coatings on repaired and stripped surfaces, suitable for application onto previously painted surfaces.

Film thickness and spreading rate	Minimum	Maximum	Typical
Film thickness, dry (um)	30	50	45
Film thickness, wet (um)	64	108	79
Theoretical spreading rate	3	4.5	3.5

(m²/ L)/1 coat

Physical properties

Colour	White
Solids (vol %)*	35+/-2
Flash point	Nonflammable

Application methods

Roll system	Recommended
Brush system	Recommended
Airless Spray	Recommended

Application data

Mixing ratio (volume) The paint is ready to use after proper stirring. Can be added up to a maximum of 20% Puffin Silcoat Bonding agent

Thinner/ cleaner Water

Guiding data airless spray

Pressure at nozzle 140-190 kg/cm² (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:

- 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	8h	6h	4 h
Through dry	24h	20h	16h
Dry to re coat minimum 1	12h	10h	8h

Dry to recoat minimum 2, 3

1. Recommended data given for recoating 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

As single coat. For all mineral, absorbent surfaces, in particular suitable for restoration coatings on repaired and stripped surfaces, suitable for application onto previously painted surfaces

Other system may be specified depending on area of use

Surface Preparation

The surface 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

1L & 20L SET