12 Settler street

Pacaltsdorp Industrial

George

Material Safety Data Sheet - ViroRoof

1 Product and Company Identification

Date	01-Jan-23
Company	**Abristo**
Product	Water proofing composition
Product Code	ViroRoof
Product Description	Water-borne acrylic, water proofing coating.
Generic Type	Pure Acrylic
Formulation Code	N/A

2 Composition

This product is a chemical formulation.

3 Hazardous Identification

Warning labels on containers.

Move spilled material with reasonable care. The paint is very adhesive and dries within 15 minutes, so if it gets onto hands and clothing there is a very

Transfer spilled material to original containers for normal refuge disposal. There is no hazard, because the product is non toxic.

4 First Aid Measures

These products contain no petrochemicals and so, besides a mild irritation due to slight acidity, and unpleasant taste they are not dangerous at all.

Swallowing	Wash out mouth with water.
Inhalation	Slightly different smell to normal room conditions. No effect.
Eye contamination	Flush with clean water. Because of mild alkalinity, eyes may sting a bit. There is no danger.
Skin contact	Rinse off with water, or wipe paint off with a cloth as soon as possible. If the paint is not removed within 15 minutes it will be dry and very difficult to remove. There is however no health risk.

5 Fire Fighting Measures

The product is non-combustible and could act to retard the spread of fire

Fire originating from the substrate	Water mist
	Carbon dioxide
	Foam and dry agents
Unsuitable extinguishing agents	None known
Harmful fumes	None known

6 Accidental Release Measures

The cured (solidified) product is stable to environmental conditions and poses no environmental hazard.

The emulsified (uncured) product should be contained and not be released into water streams.

7 Handling and Storage

Keep away from direct sunlight and severe cold or excessive heat

Shelf life	2 Years+ when stored between 5°C (41 °F) and 25°C (77 °F) in sealed container.

8 Exposure controls / Personal protection-Respiratory Exposure

Respiratory exposure	The product has no noxious fumes and normal/natural ventilation is adequate even in confined spaces.
Eye protection	Use chemical splash goggles.
Hand Protection	Use Neoprene gloves to protect against splashing. The paint dries quickly and is highly adhesive.

9 Physical and Chemical Properties

A water proofing surface coating , non-toxic properties.

The product is water borne (in original packaging) and highly effective for use on most substrates.

A good level of elasticity, even when fully cured.

Excellent resistance in moderate to severe environs.

Contains no volatile solvents.

Zero flame spread index.

Specific Gravity	1.220kg/Litre
Recommended Dry Film Thickness per coat (DFT)	200 - 300 microns per coat 7.88 - 11.82 thou per coat
Gloss Level	Matt
Flexibility	Excellent
Flashpoint	Non Flammable

Chemical Resistance Guide

EXPOSURE	SPILLAGE	FUMES
Diluted acids	Fair	Good
Diluted alkalis	Fair	Good
Solvent	N/R	Fair
Salt	Excellent	Excellent
Water	Excellent	Excellent

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10 Stability and Reactivity

Not recommended for immersion service, swimming pools and exposure to strong acids.
The cured product exhibits a high resistance to most environmental conditions.

11 Toxicological Information

The product has minimal noxious fume or odour emission, both during and after application.
The uncured (emulsified) product contains Zinc Phosphate and is not suitable for human or animal consumption.
Algaecides added to the formulation are depleted within 7 - 9 days (level of 0.0015% by volume)

12 Ecological Information

Product has a very low volatile organic compound (VOC) content.
The uncured product should not be disposed via storm-water drainage.

Measured VOC levels on symilar product than Abristo - Habitat	< 26 g/L (Excluding tint)	< 0.216981 lb/gal (Excluding tint)

European Environmental Protection Agency- VOC content standard 2010
Minimal VOC content: 0 - 0.02 lb/gal (0 - 2.9g/L) **Low VOC**: 0.03 - 0.66 lb/gal (3 - 78.9g/L) **Medium VOC**: 0.67 - 2.08 lb/gal (80 - 249 g/L)

CFC levels	None known

13 Disposal Considerations

Prior to curing, the product should not be washed down storm-water drains.
Cured products exhibits high resistance to most environments. Should be disposed of according to normal refuge regulations.

14 Transport Information

Approximate shipping weight	TNPC Product (average) - 5 Litre = 5.750 Kg
UNESCO shipping code	UN/MCO No for this product is 3082 Class 9

15 Regulatory Information

EEC Hazard Classification	UN/MCO No for this product is 3082 Class 9		
Risk Phases	Transport	Bulk transport shall be in accordance with Federal regulations	
	Application	Material shall be applied in accordance with the requirements as detailed in this document.	
	Disposal	Residual or unused material can be disposed of and treated as normal household refuse.	
Safety Phases	Spillage	Excess material should be contained and scooped up if possible. Due to the rapid drying time, the affected area must be washed down with copious amounts of water.	
	Personal contact	Swallowing	Wash out mouth with water and consult a medical practitioner.
		Inhalation	No noxious vapours
		Eye contamination	Flush with clean water
		Skin contact	Wash with water, or wipe with cloth
Federal Legislation			

16 Other Information

Application Instructions
These instructions should be followed to obtain maximum service from the product.
Avoid over-brushing since the product will polymerise (cure) fairly rapidly.
Use a medium pile classic type roller.
Don't use Brushes/Rollers contaiminated with any other paint products or volatile/petrochemical solvents as it may contaminate and cause failure.

Surface Preparation
Remove any loose and flaky paint and oil or grease from the surface before application.

Mixing
Stir contents thoroughly prior to application.
Do not dilute with any solvent (including water) prior to application.

Application Temperatures

Condition	Product	Surface
Normal	25°C (77°F)	25°C (77°F)
Minimum	2°C (35.6°F)	5°C (41°F)
Maximum		

Condition	Ambient	Humidity
Normal	18 - 32°C	10 - 85 %
Minimum	4°C	0%
Maximum	50°C	85%

Do not apply when the surface temperature is less than 2º C above the dew point.

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Spray Application

Use sufficient air volume for correct operation of equipment.
Use a 50% overlap with each pass of the gun.
Apply each coat in two phases.
On irregular surfaces, coat the edges first, making an extra pass later.
Hold gun approximately 450 - 500 mm from the surface and at a right angle to the surface.
Use a Stone Chip/Air Under Coating Gun with a 5 -8 mm internal pick-up.
Use a 5 mm nozzle with 4 - 7 bar nozzle pressure.
Apply multiple coats untill required film build is achieved

Drying and Curing Time	
Touch dry time	± 25-35 min @ 25°C & 50% Relative Humidity
Chemical curing time	5 - 7 days

NB Low remperatures and high humidity will retard drying times

Recommended Film Thickness for required single coat		
Minimum	200 microns	7.88 thou
Wet Film Thickness (WFT)	200 - 300 microns	7.88 - 11.82
Maximum Dry Film Thickness (DFT)	250 microns	9.85 thou

Technical enquiries

Address all enquiries to info@abristo.com or contact our office at sales@abristo.com

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