



12 Settler street  
Pacaltsdorp Industrial  
George

## Material Safety Data Sheet - ViroRubber

|   |   |  |                 |              |
|---|---|--|-----------------|--------------|
| <b>1 Product and Company Identification</b>   |   |  |                 |              |
| 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   |  |                 |              |
| <b>2 Composition</b>  |   |  |                 |              |
| This product is a chemical formulation.   |   |  |                 |              |
| <b>3 Hazardous Identification</b>   |   |  |                 |              |
| 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 refuse disposal. There is no hazard, because the product is non toxic.                        |   |  |                 |              |
| <b>4 First Aid Measures</b>   |   |  |                 |              |
| 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. |  |                 |              |
| <b>5 Fire Fighting Measures</b>   |   |  |                 |              |
| 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  |  |                 |              |
| <b>6 Accidental Release Measures</b>  |   |  |                 |              |
| 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.  |   |  |                 |              |
| <b>7 Handling and Storage</b>   |   |  |                 |              |
| 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.  |  |                 |              |
| <b>8 Exposure controls / Personal protection-Respiratory Exposure</b>   |   |  |                 |              |
| 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.   |  |                 |              |
| <b>9 Physical and Chemical Properties</b>   |   |  |                 |              |
| 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  |  |                 |              |
| Gloss Level   | Matt  |  |                 |              |
| Flexibility   | Excellent   |  |                 |              |
| Flashpoint  | Non Flammable   |  |                 |              |
| Chemical Resistance Guide   | <b>EXPOSURE</b>   |  | <b>SPILLAGE</b> | <b>FUMES</b> |
|   | Diluted acids   |  | Fair            | Good         |
|   | Diluted alkalis   |  | Fair            | Good         |
|   | Solvent   |  | N/R             | Fair         |
|   | Salt  |  | Excellent       | Excellent    |
|   | Water   |  | Excellent       | Excellent    |



12 Settler street  
Pacaltsdorp Industrial  
George

## Material Safety Data Sheet - ViroRubber

|           |  |  |  |   |
|-----------|--|--|--|---|
| <b>10</b> | <b>Stability and Reactivity</b>  |  |  |   |
|           | Not recommended for immersion service, swimming pools and exposure to strong acids.<br>The cured product exhibits a high resistance to most environmental conditions.  |  |  |   |
| <b>11</b> | <b>Toxicological Information</b>   |  |  |   |
|           | The product has minimal noxious fume or odour emission, both during and after application.<br>The uncured (emulsified) product contains Zinc Phosphate and is not suitable for human or animal consumption.<br>Algaecides added to the formulation are depleted within 7 - 9 days (level of 0.0015% by volume)   |  |  |   |
| <b>12</b> | <b>Ecological Information</b>  |  |  |   |
|           | Product has a very low volatile organic compound (VOC) content.<br>The uncured product should not be disposed via storm-water drainage.  |  |  |   |
|           | Measured VOC levels on similar product than Abristo - Habitat  | < 26 g/L (Excluding tint) < 0.216981 lb/gal (Excluding tint) |  |   |
|           | <b>European Environmental Protection Agency- VOC content standard 2010</b>   |  |  |   |
|           | <b>Minimal VOC content:</b> 0 - 0.02 lb/gal (0 - 2.9g/L) <b>Low VOC:</b> 0.03 - 0.66 lb/gal (3 - 78.9g/L) <b>Medium VOC:</b> 0.67 - 2.08 lb/gal (80 - 249 g/L)   |  |  |   |
|           | CFC levels   | None known   |  |   |
| <b>13</b> | <b>Disposal Considerations</b>   |  |  |   |
|           | Prior to curing, the product should not be washed down storm-water drains.<br>Cured products exhibits high resistance to most environments. Should be disposed of according to normal refuge regulations.  |  |  |   |
| <b>14</b> | <b>Transport Information</b>   |  |  |   |
|           | Approximate shipping weight  | TNPC Product (average) - 5 Litre = 5.750 Kg                  |  |   |
|           | UNESCO shipping code   | UN/MCO No for this product is 3082 Class 9                   |  |   |
| <b>15</b> | <b>Regulatory Information</b>  |  |  |   |
|           | EEC Hazard Classification  | UN/MCO No for this product is 3082 Class 9                   |  |   |
|           | <b>Risk Phases</b>   | 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.   |   |
|           | <b>Safety Phases</b>   | 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  |   |
|           | <b>Federal Legislation</b>   |  |  |   |
| <b>16</b> | <b>Other Information</b>   |  |  |   |
|           | <b>Application Instructions</b><br>These instructions should be followed to obtain maximum service from the product.<br>Avoid over-brushing since the product will polymerise (cure) fairly rapidly.<br>Use a medium pile classic type roller.<br>Don't use Brushes/Rollers contaminated with any other paint products or volatile/petrochemical solvents as it may contaminate and cause failure. |  |  |   |
|           | <b>Surface Preparation</b><br>Remove any loose and flaky paint and oil or grease from the surface before application.  |  |  |   |
|           | <b>Mixing</b><br>Stir contents thoroughly prior to application.<br>Do not dilute with any solvent (including water) prior to application.  |  |  |   |
|           | <b>Application Temperatures</b>  |  |  |   |
|           | <b>Condition</b>   | <b>Product</b>   | <b>Surface</b>   |   |
|           | Normal   | 25°C ( 77°F )  | 25°C ( 77°F )  |   |
|           | Minimum  | 2°C ( 35.6°F )   | 5°C ( 41°F )   |   |
|           | Maximum  |  |  |   |
|           | <b>Condition</b>   | <b>Ambient</b>   | <b>Humidity</b>  |   |
|           | Normal   | 18 - 32°C  | 10 - 85 %  |   |
|           | Minimum  | 4°C  | 0%   |   |
|           | Maximum  | 50°C   | 85%  |   |
|           | Do not apply when the surface temperature is less than 2° C above the dew point.   |  |  |   |



12 Settler street  
Pacaltsdorp Industrial  
George

## Material Safety Data Sheet - ViroRubber

|  |  |              |
|--|--|--------------|
| <p><b>Spray Application</b><br/>         Use sufficient air volume for correct operation of equipment.<br/>         Use a 50% overlap with each pass of the gun.<br/>         Apply each coat in two phases.<br/>         On irregular surfaces, coat the edges first, making an extra pass later.<br/>         Hold gun approximately 450 - 500 mm from the surface and at a right angle to the surface.<br/>         Use a Stone Chip/Air Under Coating Gun with a 5 - 8 mm internal pick-up.<br/>         Use a 5 mm nozzle with 4 - 7 bar nozzle pressure.<br/>         Apply multiple coats until required film build is achieved</p> |  |              |
| <b>Drying and Curing Time</b>  |  |              |
| <b>Touch dry time</b>  | ± 25-35 min @ 25°C & 50% Relative Humidity |              |
| <b>Chemical curing time</b>  | 5 - 7 days                                 |              |
| <b>NB</b> Low temperatures and high humidity will retard drying times  |  |              |
| <b>Recommended Film Thickness for required single coat</b>   |  |              |
| <b>Minimum</b>   | 200 microns                                | 7.88 thou    |
| <b>Wet Film Thickness (WFT)</b>  | 200 - 300 microns                          | 7.88 - 11.82 |
| <b>Maximum Dry Film Thickness (DFT)</b>  | 250 microns                                | 9.85 thou    |
| <b>Technical enquiries</b><br>Address all enquiries to <a href="mailto:info@abristo.com">info@abristo.com</a> or contact our office at <a href="mailto:sales@abristo.com">sales@abristo.com</a>  |  |              |
| To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and are subject to change without prior notice. User must contact Abristo to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied.  |  |              |
| <b>No other warranty of any kind is made by Abristo , express or implied, statutory by operation of law or otherwise, including merchantability and fitness for a particular purpose.</b>  |  |              |