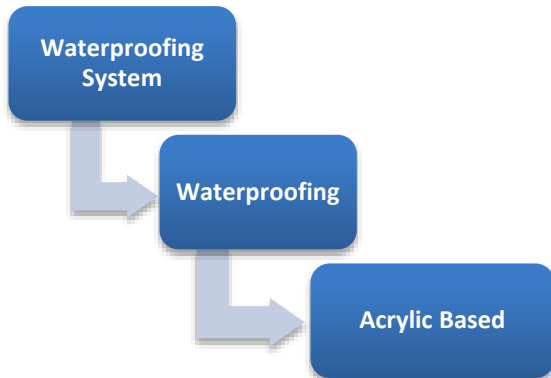


## FAMILY TREE



## PRODUCT DESCRIPTION

Acrylic water based elastomeric waterproof coating for roofs and walls that provides flexible coating solution.

It is specially designed for application on concrete, masonry, plaster, terrazzo tiles, corrugated iron, etc.

It is available in variety of colours and is ideally suited for external application due to UV resistance characteristics.

It can be mixed with paints to enhance the paint water Resistant characteristics.

## FIELD OF APPLICATION

<b>Area Type</b>	: <input checked="" type="checkbox"/> Dry	<input checked="" type="checkbox"/> Semi-wet (Kitchen and bathrooms)	<input type="checkbox"/> Submerged (Swimmingpools, fountains and potable water tanks)
<b>Type of Application</b>	: <input checked="" type="checkbox"/> Vertical	<input checked="" type="checkbox"/> Horizontal	
<b>Area Location</b>	: <input checked="" type="checkbox"/> UV Resistant <input type="checkbox"/> Swimming Pool	<input checked="" type="checkbox"/> Below grade <input type="checkbox"/> Fountains	<input checked="" type="checkbox"/> Roof Decks <input type="checkbox"/> Potable Water Tanks
<b>Substrates</b>	: <input checked="" type="checkbox"/> Concrete <input checked="" type="checkbox"/> Plaster <input checked="" type="checkbox"/> Plaster Board <input checked="" type="checkbox"/> Polyurethane foam <input checked="" type="checkbox"/> Wood	<input checked="" type="checkbox"/> Cement Mortar <input checked="" type="checkbox"/> Gypsum Board <input checked="" type="checkbox"/> Cement Plaster	<input checked="" type="checkbox"/> Screed <input checked="" type="checkbox"/> Cement Board <input checked="" type="checkbox"/> Tile

## PROPERTIES

- |                            |                                    |
|----------------------------|------------------------------------|
| • Elastomeric.             | • Single component, easy to apply. |
| • UV stable and resistant. | • Anti-fungus.                     |
| • Easy to maintain.        | • Wide variety of colours.         |

## PREPARATION

<b>Working Conditions</b>	: 5°C to 45°C.
<b>Tools / Equipment</b>	: Mechanically mixer, clean plastic mixing container, brush, roller, airless spray machine.
<b>Substrate</b>	: Clean thoroughly and ensure that it is dry and free from dust, oil, grease, paints or any other loose material that might cause de- bonding with the surface. Special considerations to all newly poured cement based substrates. Ensure that substrates are sufficiently cured, dimensionally stable, shrinkage and structural strain movements free and Stable. It is recommended to clean the surface using high pressure water jet.
<b>Priming</b>	: Porous surfaces should be primed with NASA Bond 200 Primer at the rate of 5 m <sup>2</sup> /liter and allowed to dry before applying the first coat.
<b>Joints</b>	: In general, the product shall not be placed above expansion or construction joints. NASA Flexseal shall be used to manipulate the joints.

## MIXING

<b>Ratio</b>	: No materials / liquids shall be added of any type.
<b>Mixing Speed</b>	: Low speed stirring.
<b>Process</b>	: Stir the product before use at low speed.

This Technical Data Sheet is prepared based on extensive research and practical experience. With the varieties of the materials and conditions of application is out of our control, Apollo assumes no responsibility for the obtained results and / or damages caused by the usage of this product. Apollo Technical Service family is always available at your disposal for any advice and directions that might be required.



# Nasa Guard Proof W410

NASA Guard Proof W410 – 5&16&18 ltr – BS/ASTM

Single Component, Liquid Acrylic Waterproof Coating for Roofs

**Points of Attention** : Do not add any liquid / material of any type.

## APPLICATION

<b>Application Method</b>	: By brush or roller or airless spray machine.
<b>Coverage</b>	: As stated in the Method of Application. Approximately (1-1.5 ) m <sup>2</sup> /litre
<b>Position</b>	: The described process is suitable for vertical and horizontal applications.
<b>Process</b>	: If priming is carried out, wait until the primed surface is completely dried. Stir the product well. The first coat at the rate of 1.5 - 2.0 m <sup>2</sup> /litre and allowed to cure for 4 - 12 hours depending on ambient temperature. The second coat should be applied perpendicular to the first coat at the same rate above, and allowed to cure. For heavy pedestrian traffic, it is recommended to use fiberglass scrim reinforcement, embedded firmly in the second coat while wet, and a third coat should be applied. The above properties are subject to 5% tolerance.
<b>Cleaning</b>	: All tools / equipment shall be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically with Solveteck.
<b>Points of Attention</b>	: New concrete substrate should be at least 14 days old.

## PACKING

<b>Standard Package</b>	: Nasa Guard Proof W410 available in 5 & 16 & 18 Litres
<b>Custom Package</b>	: Special packages can be arranged for large requirements
<b>How to Order</b>	: Specify the Product Name followed with a hyphen and package size

## STORAGE CONDITION

<b>Shelf Life</b>	: 12 months from the date of manufacturing
<b>Temperature</b>	: 2°C and 50°C
<b>Points of Attention</b>	: Store in shaded area and properly sealed in its original packing

## TECHNICAL PROPERTIES

PROPERTY	STANDARD	VALUE
Standard	ASTM & BS	
Testing Conditions	Tests were carried out in Apollo R&D laboratory @ 25°C	
Component		Single component
Form		Liquid
Colour		Variety of colours
Recoating time		> 4 hrs
Solid Contents by weight		By weight 60 ± 2% By volume 50 ± 2%
Specific Gravity		1.25 ± 0.05
Water permeability		Impermeable
Tensile strength ASTM D412		≥ 1.3 MPa @ 7 days
Elongation		> 350% @ 2 mm dry thickness
VOC		50 g/l

## ATTENTION

<b>PPE</b>	: It is recommended to use full PPE while working with the product to avoid any possibility of irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.
<b>Hazardous Classification</b>	: Non-Hazardous.
<b>Fire</b>	: Non-flammable.

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Single Component, Liquid Acrylic Waterproof Coating for Roofs

## APOLLO AT THE GLANCE

Apollo is confident with the technical solutions and high quality end products served to the customers.

Apollo invites you to explore other services and products:

- |   |                                       |                                       |
|---|---------------------------------------|---------------------------------------|
| • R&D and manufacturing custom solutions. | • Adhesives.                          | • Bonding Agents Systems.             |
| • Building Finishing Systems.             | • Concrete Admixture.                 | • Concrete Repair Systems.            |
| • Flooring Systems.                       | • Grouts & Anchoring Systems.         | • Painting & Putty Systems.           |
| • Protective Coatings.                    | • Sealant & Jointing Solutions.       | • Structural Strengthening Solutions. |
| • Surface Treatment Solutions.            | • Tile Adhesive & Grouting Solutions. | • Waterproofing Systems.              |

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