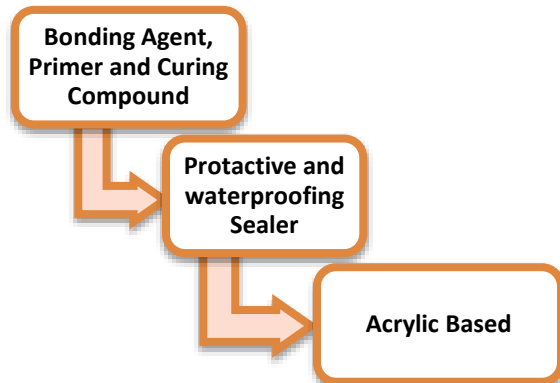


FAMILY TREE



PRODUCT DESCRIPTION

Single component sealer formulated from selected high Penetrating PVA acrylic based. When applied, it forms dust proofer, impermeable surface and hardener layer. Can be used for concrete floors, Paints, concrete walls, stones, and cementitious tiles, marble and on wide variety of surfaces. It provides excellent adhesion to cementitious surfaces and cures to form a clear, semi-gloss flexible film. It can also be used as a backing coat for marble and other Mineral based cladding to protect against rising moisture.

FIELD OF APPLICATION

Area Type	: <input checked="" type="checkbox"/> Dry	<input checked="" type="checkbox"/> Semi-wet	<input type="checkbox"/> Submerged
Area Location	: <input checked="" type="checkbox"/> UV Resistant	<input checked="" type="checkbox"/> Warehouses	<input checked="" type="checkbox"/> Roof Decks
	<input checked="" type="checkbox"/> Car parks	<input checked="" type="checkbox"/> Cladding	
Type of Application	: <input checked="" type="checkbox"/> Horizontal	<input checked="" type="checkbox"/> Vertical	
Substrates	: <input checked="" type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Porous Tiles	<input checked="" type="checkbox"/> Screed
	<input checked="" type="checkbox"/> Plaster	<input checked="" type="checkbox"/> Natural Stone	<input checked="" type="checkbox"/> Marble

PROPERTIES

- Easy to apply by brush, roller or spray.
- Good resistance to most liquids like mild chemicals, acids, alkalis, etc.
- Prevents concrete dusting.
- Easy to maintain.
- Economical.
- UV resistant, suitable for external applications.

PREPARATION

Working Conditions	: 5° to 45°C.
Tools / Equipment	: Brush or Roller or Spray machine.
Substrate	: 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 (Moisture content not more than 5%), dimensionally stable, shrinkage and structural strain movements free and stable. Concrete substrate maybe prepared by acid etching followed by cleaning with water to remove all traces of the acid. Cracks in concrete, pinholes, potholes and other surface irregularities should be repaired using suitable repair materials.
Joints	: In general, the product shall not be placed above expansion or construction joints. NASA Flexseal shall be used to manipulate the joints.

MIXING

Ratio	: No materials / liquids shall be added of any type. The product is pre-mixed and ready for usage. Only stir prior to use.
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APPLICATION

Application Method	: By roller or brush or Spray Machine.
Coating Thickness	: 60 – 90 microns.
Coverage	: Theoretical coverage is 5 - 10 m ² /ltr/coat at (28 – 33 dft) microns (80 - 94 wft). Actual coverage depends on finish, porosity and texture of the substrate.
Position	: The described process is suitable for vertical and horizontal applications.
Process	: After assuring that the surface is clean and ready to receive the product, apply the first coat. Allow it to penetrate into the substrate and seal the micro pores. Avoid ponding of material on the surface. Apply first coat and second coat is applied after allowing the first coat to dry for 2 - 4 hours. Usually the product is applied to the prepared surface in 2 - 3 coats to achieve a total dry film thickness of 60 - 90 microns.
Cleaning	: All tools / equipment shall be cleaned immediately after use with NASA Cleaner. Hardened materials should be cleaned mechanically with Solvetech.

PACKING

Standard Package	: Nasa Bond Sealer is available in 2&5&18 Litres.
Custom Package	: Special packages can be arranged for large requirements.
How to Order	: Specify the Product Name followed with a hyphen and package size.

STORAGE CONDITION

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

TECHNICAL PROPERTIES

PROPERTY	STANDARD	VALUE
Standard	ASTM	
Testing Conditions	Tests were carried out in Apollo R&D laboratory @ 25°C	
Component		Single component
Form		Liquid
Colour		Milky
Specific Gravity	ASTM D1475	1.15 + 0.02
Drying Time		4 – 5 Hours
Full Cure		3 Days
Surface Hardness	ASTM C805	> 20%

ATTENTION

PPE	: 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.
Hazardous Classification	: Hazardous transportation.
Fire	: Non-flammable.



NASA Bond Sealer

NASA Bond Sealer – 2&5&18 Ltrs – ASTM

Acrylic sealer and dust proofer, single component

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:

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|--|--------------------------------------|--------------------------------------|
| • 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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