



## TECHNICAL DATASHEET 506 TERRACE COAT

### DESCRIPTION:

NeoSeal® 506 Terrace Coat is a milky white, highly viscous, heavyduty, highperformance Polyurethane modified acrylic dispersion, fibre reinforced waterproof coating system. It is specially formulated using highly elastic and durability acrylic emulsion polymer, weather durable pigments, micro-fibres, fine extenders and best quality biocides. It is non-yellowing and has excellent resistance to ultraviolet degradation, heat and most common chemicals.

NeoSeal® 506 is used as a waterproofing & protective coating for exterior walls of the buildings. It is used as a waterproofing solution for all types of masonry surface.

### AREA OF APPLICATION:

- All types of Terraces – Flat and sloping / All type of roofs.
- Waterproofing for roofs ranging from asphalt, asbestos, cement to concrete and terrazzo tiles.
- Recommended for both horizontal and inclined structures.
- Waterproofing of roof slabs, terraces, balconies, sun shades, parapet walls, etc. Provides additional waterproofing and protection when used as base or intermediate coat in brickbat coba.
- For waterproofing of new as well as old surfaces.

### TECHNICAL SPECIFICATIONS:

No	Properties	Result
1	Chemical Base	Polyurethane modified acrylic dispersion,
2	Solid Content %	60 ± 2%
3	Brookfield Viscosity30°C	25,000-35,000 cP
4	pH	7.5-9.5
5	Sp. Gravity30°C	1.25-1.30
6	Tensile Strength	>1.5 N/mm <sup>2</sup>
7	Elongation	>250%
8	U.V. Resistance	Excellent
9	Hardness	Good
10	Dirt Resistance	Excellent

### FEATURES & BENEFITS:

- Film thickness – Provides higher dry film thickness of 1.0 to 1.2 mm in three coat applications.
- Application advantage - No need to remove existing plaster, concrete surface, sound brickbat coba etc. Can be applied by brush & roller easily.
- Strength – Increase flexural & tensile strength and tear resistance strength.
- Durability – High resistant to UV and withstand to various weather conditions including freeze-thaw damage.
- Resilience – Forms highly elastic and resilient coating which helps to withstand the structural movements.
- Crack bridging - Bridges cracks up to 2 mm width without additional work.
- Abrasion resistant – No additional protective coating is required for roof used for the normal foot traffic.
- Toxicity – It is non-toxic in nature. Environment friendly eco product.

### NeoSeal Adhesive Pvt. Ltd.

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- Breathability – It is breathable.
- Excellent resistance to the growth of microorganisms.
- The coating performance can be enhanced for large roofs by using a fibre mesh between the two coats.

## METHOD OF APPLICATION:

### 1. Surface Preparation:

- New and existing concrete surface must be prepared thoroughly by cleaning, washing and removing dust, dirt, oil, grease and loose particles using wire brush or water pressure jet.
- In the existing old terraces with brickbat coba or screeds, check the soundness of the substrate. Hollow, or damaged portions, cracked edges etc. must be cut and removed till the mother slab. The slab should be recoated with slurry of using NeoSeal® 502 URP and cement in 1:1 proportion.
- If the existing surface has Bitumen based waterproofing treatments or other type of treatment which is cracked or peeled of, it must be completely removed by mechanical scarification or by any other effective mechanical means for better coating.
- Ensure that the roof slope of a minimum of 1 in 100, is already provided.

### 2. Crack Filling:

- Cracks of size up to 5mm should be filled by NeoSeal® 503 Crack Fill paste. Seal the corners of roof and parapet wall properly.
- Cracks more than 5 mm should be filled by applying NeoSeal® 502 URP modified mortar slurry using putty blade in proper way. Let it dry for 24 hrs.

### 3. Priming coat:

- Prime the surface using a coat of NeoSeal® 504 Primer in 2:1 ratio with water (i.e. 2 parts of Primer with 1 part of water) OR
- Use NeoSeal® 506 as a self-priming by diluting it with water in 1:1 ratio.

### 4. Waterproof coating:

- Stir well before use. NeoSeal®506 Terrace Coat should be used directly from the container. Do not dilute the content with water or other products.
- Apply a layer of coats by brush or roller and let it dry for 6-8 hrs. After that apply second coat at right angles using brush or roller and allow it to dry for one day. Allow 7 days to cure the coating before ponding taste.

### 5. Precaution:

- All corners, gaps, joints, protrusions & outlets shall be coated with two extra coats.
- Never dilute coating with water for ease of application. Stir well before use.
- Do not apply during raining or extreme temperatures. Ideal application temp. between 10°C to 45°C. Avoid abuses which may lead to puncturing of membrane.

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#### **COVERAGE:**

Coverage depends upon the nature of the surface to be applied. But on average, smooth surface will give approx. 2 sq. mt. per litre per coat.

**PACKAGING SIZE:** 1 Ltr., 4 Ltr. 10 Ltr & 20 Ltr.

#### **SHELF LIFE AND STORAGE:**

24 months from the date of manufacturing in unopened condition when in sealed pack and stored under proper condition. Store in a cool & dry place.

#### **HEALTH & SAFETY PRECASUTIONS:**

- Skin Contact: Wash skin with soap & water. Remove contaminated clothes.
- On eye contact: Immediately splash eyes with plenty of water. Consult Physician if irritation persists.
- Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

#### **WARRANTY:**

The above information given is based on our knowledge and performance of the material. Every precaution is taken in the manufacture of the product and our responsibility is limited to the quality of supplies with no guarantee of results in the field, as manufacturer has no control over site conditions or execution of work.

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