

TECHNICAL DATASHEET

505 WALL COAT

ACRYLIC ELASTOMERIC WATERPROOF EMULSION COATING

DESCRIPTION:

NeoSeal® 505 Wall Coat is a single component, milky white, highly viscous, high performance acrylic based, elastomeric, flexible waterproofing system. It is formulated using high-quality acrylic emulsion polymer, light fast, weather durable pigments, properly selected & graded fine extenders, and many additives for performance improvement and dirt pick up resistant.

It is used as a waterproofing & protective coating for exterior walls of the buildings. It forms higher film thickness, has excellent flexibility, breathing properties, water resistance, crack-bridging ability, weathering durability and an excellent resistance to the growth of microorganisms.

AREA OF APPLICATION:

- All types of exterior masonry surfaces, concrete, cements and renderings, etc.
- Applicable on asbestos sheets.
- Waterproofing of new as well as old surfaces.

TECHNICAL SPECIFICATIONS:

No	Properties	Result
1	Solid Content %	56 ± 2%
2	Brookfield Viscosity 30°C	20,000 – 25,000 cP
3	pH	7.5 – 9.5
4	Sp. Gravity 30°C	1.25 – 1.30
5	Tensile Strength	> 1.2 N/mm ²
6	Elongation	> 100%
7	U.V. Resistance	Excellent
8	Hardness	Good
9	Dirt Resistance	Excellent

FEATURES & BENEFITS:

- Film thickness – Higher film thickness provides resistance to the movements of structures, gives crack bridging ability & waterproofing properties.
- Flexibility – Flexible and covers hairline cracks (up to 1 mm) effectively so that no ingress of water.
- Toughness – Tough films withstands wind driven rain.
- Elasticity – High elasticity easily withstands stress caused by thermal expansion & contraction.
- Ready to use – No dilution is required hence ensures desired film thickness built-up without affecting the performance.
- Microbial resistance – Resistance to fungus and algae hence maintains the aesthetic value.
- UV resistant – Resistance to UV (Sun light) hence coating has longer life.
- Dirt pick-up – Very low dirt pick up & can be cleaned easily hence maintains the aesthetics.
- Breathability – Permeable to water vapour.
- Ease of application – User friendly, easily applicable by brush, roller or spray.
- Toxicity – It is Non-toxic. Environment friendly eco product.
- Solar Reflective – Lowers the surface temperature up to 7°C.

METHOD OF APPLICATION:

1. Surface Preparation on Cementitious surface:

- 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.
- New plaster, concrete surfaces must be at least 30 days old and have moisture content < 5% prior to surface coating.

2. Crack Filling:

- Cracks up to 5mm should be filled by NeoSeal® 503 Crack Fill paste.
- 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. Fill the crack fill material again, if shrinkage observed.

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® 505 as a self-priming by diluting it with water in 1:1 ratio.
- Allow to dry for at least 3-4 hrs. prior to next coat.

4. Waterproof coating:

- Stir well before use. NeoSeal® 505 Wall 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 4-6 hrs. After that apply second coat at right angles using brush or roller and allow it to dry for one day.

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.

COVERAGE:

Coverage depends upon the nature of the surface to be applied. But on average, smooth surface will give approx. 45-50 Sq. Ft. / Ltr. (1st Coat) & 50-55 Sq. Ft. / Ltr. (2nd coat). Two coats of the product will give about 200-250 microns DFT.

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.