



DARMA PROOF

Two component Waterproofing solution



OVERVIEW

DARMA PROOF is a two component cement based polymer modified waterproofing system, which on application provides an excellent water resistant barrier. It also offers excellent resistance to both positive and negative pressures.

PROPERTIES

- ✓ Good adhesion to surfaces
- ✓ Protect against water penetration
- ✓ It is easy to mix and apply
- ✓ components are pre-batched (no additional materials are required like water)
- ✓ Improves water tightness of water containing concrete tanks, reservoirs and clear wells
- ✓ It is abrasion, weathering and other chemical resistant
- ✓ Excellent freeze or thaw resistance
- ✓ Can be mixed to slurry or trowelable consistency
- ✓ Improve concrete/masonry appearance

SURFACE PREPARATION

- Clean the surface
- Any adhesion reducing substances like oil, grease, paints, dust must be removed
- On new or smoothed faced concrete, surface should be roughened (sand blasted) to provide an open pored surface to enhance the effectiveness of the water proofing process.
- Dampen the surface without leaving any standing water

AREA OF APPLICATION

- ✓ Bathrooms
- ✓ Foundations
- ✓ Basements
- ✓ Shear walls
- ✓ Concrete tunnel
- ✓ Swimming pools
- ✓ Water treatment facilities
- ✓ Sewage treatment plants
- ✓ Terraces
- ✓ Bridges , dams, railway & metro system

MIXING

- Depending on the number of coats and area to be covered, mix the water proof with ratio of 2:1 (10kg powder to 5L liquid or 2kg powder to 1L liquid)
- Mix in a clean container for at least 15 minutes for manual mixing and 10 minutes for machine mixing to a lump free homogenous consistency of thick oil paint.

APPLICATION

- Apply the primary coat of at least 1mm thick using a fiber brush
- Wait 6-8 hours until the first coat dries
- Apply the secondary coat perpendicular (90°) to the first coat (crosswise) in order to cover spaces that were uncovered otherwise because of surface irregularities.
- After 8 hours do water test and proceed to the next phase of construction.

COVERAGE

It depends on the cleanness and levelness of the surface

- **Darma Mini** (2 kg powder and 1L liquid):- covers up to 2.5 -3 m² of surface with double coat.
- **Darma proof** (10kg powder and 5L liquid):- covers up to 12 m² of surface with double coat.
- **Darma proof pro** (15kg powder and 5L liquid):- covers up to 16m² of surface with double coat.

PACKAGING

- Darma Mini :- 2 kg powder and 1L liquid
- Darma proof :- 10kg powder and 5L liquid
- Darma proof pro:- 15kg powder and 5L liquid

STORAGE

24 months; when stored in dry place in unopened and undamaged original packaging.

PRECAUTIONS

- Always apply the cementations water proof in two coats
- Don't add water
- Avoid using sharp tools after applying water proof
- Eyes and skin should be protected by wearing security goggles, gloves and dust mask.
- In case of contact, wash with plenty of water.
- In case of eye contact, immediately seek medical attention

Technical data

Appearance	Powder and liquid
Color	Grey solid and white liquid
Bond strength /pull-off strength	>1.26 N/mm ²
Bond strength after water immersion	>2.23 N/mm ²
Compressive strength(EN:196-1)	
7 days	11.82 Mpa
21 days	16.92 Mpa
Flexural strength	
7 days	4.97 Mpa
21 days	9.49 Mpas
Water absorption	1.96%
Impermeability to water	No penetration