

PRODUCT CODE 5467

SmartCare Epoxy TriBlock

SC Epoxy TriBlock is a three-component coating system that combines the strength and durability of epoxy with the breathable, moisture-tolerant properties of cementitious materials, for positive side waterproofing.



PRODUCT BENEFITS

High Adhesion

Offers superior bonding to various cementitious substrates like concrete, masonry, etc.

Waterproofing

It is designed for positive-side waterproofing of cementitious structures such as water tanks and swimming pools.

Seamless and Hygienic

The cured surface is smooth, seamless, and non-porous, making it easy to clean and maintain high hygiene standards.

Food Grade Certification

The coating conforms to USFDA regulation 21 CFR 175.300.

Safety

Solvent-free, water-based formulation making them safer for applicators and the environment.

Easy to Apply

Applied by brush or roller.

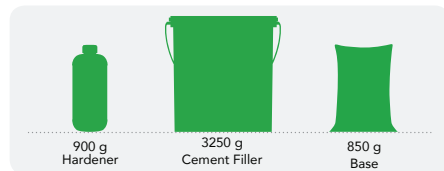
Warranty

2-year warranty for cementitious water-retaining structures.



PRODUCT FEATURES

AVAILABLE PACKS



Shelf life: 12 months from the date of manufacturing in unopened condition. Store in a cool & dry place

COLOURS AVAILABLE

White



Please note: Asian Paints Epoxy TriBlock is an undercoat

COVERAGE



**Actual coverage may vary from the quoted coverage due to factors such as the method and condition of application and surface roughness.

DRYING TIME TO TOUCH



RECOMMENDED USAGE



Domestic cement tanks, overhead cement tanks, and waterproofing of swimming pools.



HOW TO APPLY

PRE PAINTING STEPS



SURFACE PREPERATION SmartCare Epoxy Tri Block is a three-component system. The correct application procedure is very critical and should be followed as described below.

- > The surface must be clean, free from contamination, and structurally sound.
- > It is recommended that the surface should be in a Saturated Surface Dry (SSD) condition.



MIXING RATIO (by weight) The mixing ratio is Base: Hardener: Filler = 17: 18: 65 by weight, after mixing the three components together, add around 15% to 25% water based on the requirement to get the desired consistency.

APPLICATION PROCESS

APPLICATION	PROCEDURE
STEP 1	Stir the individual Base and Hardener well before use. There should not be any lumps or particles in the filler part.
STEP 2	Add Hardener into Base under continuous stirring and mix it to get a homogeneous consistency.
STEP 3	In this mixture, add Filler slowly under continuous stirring, ensuring a homogeneous mixture of Base, Hardener, and filler. There should not be any lumps of the material.
STEP 4	Slowly add water (15% to 25% by weight) into the above mix under continuous mixing until you get the desired homogeneous brushable consistency.
STEP 5	Apply the 1st coat of the above mixture over a well-prepared substrate using a brush and allow it to dry for 4 to 6 hours.
STEP 6	Apply the 2nd coat of the mix perpendicular to the 1st coat and allow it to dry for 4 to 6 hours. Freshly applied coating must be protected from dampness, condensation, water, foot traffic, etc., for at least 24 hours.
STEP 7	Curing Time - Full cure in 7 days at 30°C and 65% RH. After 7 days of curing, wash the tank/structure 2 to 3 times with low-pressure water to remove any foaming due to initial water contact. Post-washing, regular service exposure can be commenced.

ADDITIONAL INFORMATION

PRECAUTIONS

- > Part mixing of Base, Hardener & Filler are not allowed.
- > Application over sound plastered/masonry surface is recommended.
- > The substrate must be clean, dry, and free of all contaminants such as dirt, oil, grease, coatings, and surface treatments; there should not be any cement laitance.
- > All kinds of paints and coatings are to be removed completely before application, if any.
- > Weak concrete must be removed, and surface defects such as cracks, holes, and voids must be repaired using appropriate products. High spots must be removed by grinding.
- > All dust, loose, and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.
- > Drying time and coverage depend on the condition of the surface and ambient temperature and humidity.
- > Not resistant to high concentrations of acids, alkalis, and microbial attack.
- > Not recommended on tank surfaces that are directly exposed to sunlight.
- > This product is not suitable for negative site waterproofing.

SAFETY FEATURES

- > Kindly refer to the MSDS for Asian Paints SmartCare Epoxy TriBlock which gives detailed information on safety measures.
- > Store the container with the lid tightly closed in an upright position, in a cool & dry place.
- > Keep out of reach of children and away from eatables.
- > May be harmful if swallowed. In case of ingestion seek immediate medical attention.
- > Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- > In case of skin contact immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
- > Do not breathe vapour or spray. It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation.
- > Do not pour leftover paint down the drain or in water courses.
- > In the event of spills, contain spillage using sand or earth.
- > No added Lead, Mercury or Chromium compounds.

TECHNICAL DETAILS

Properties	Results
Nature	Three component
Mixing ratio, By weight (Base:Hardener:Filler:Water)	17:18:65:20
Consistency	Free flowing smooth paste
Pot life at 30°C, Minutes	60 Minutes
Surface drying time at 30°C, Minutes	22 Minutes
Inter-coat periods at 30°C, Hours	4 to 5 Hours
Positive hydrostatic pressure DIN 1048	No water penetration found up till 4 bars
Adhesion strength as per ASTM D 4541: 02 in (N/mm ²)	Min 1.5 MPa
Food Grade Certification	Certified safe by CFTRI Mysore (Govt. Lab) to store potable water

Note- *Pull-off adhesion values applicable for cohesive failure and highly depend on substrate strength. Lower values will indicate either substrate failure or adhesive failure and not product failure.

** Based on lab test results under control condition