



HR Water Based **TINTED** Epoxy Coating (2 Part)

Technical Data Sheet

DESCRIPTION (2 part) WB Epoxy Coating

3 Part A (Tint in) : 1 Part B, (Tint is add to Part A), mostly for cementitious substrates INDOORS.

[**10Lt Part A + 2Lt Tint**] to **4Lt Part B**.

TINTED coat - DO NOT DILUTE with water. First two coats apply our WB Epoxy Primer, preferably with Crushed Glass rolled in, then apply one or preferably two coats Tinted WB Epoxy Coating. Remember the more coats you can apply, the longer your coating will last.

Always prime all surfaces because it **anchors** the whole coating system.

TYPICAL APPLICATIONS

- over Epoxy Primed concrete floors

Use Epoxy Primer for dense/**smooth** concrete & other non-porous substrates or if there's possibility of **rising moisture/damp** or hydrostatic pressure.

Use solvent based Acrylic Primer for water repellent panels or particle boards.

Surface Preparation & Application

as per our Surface Preparation Specification sheet.

All surfaces should be structurally sound, clean & free of all contaminants. Scrap away any loose or flaky material or any residual. Holes, non-structural cracks & other surface deformities should be repaired prior to application.

Always roughen the surface with mechanical abrasion to make grooves for primer to grip into (especially non-porous surfaces like existing tiles, dense/**smooth** concrete, plastic or metal).

Test how thirsty/porous the concrete is by throwing water & if air bubbles surface, the concrete is full of air pockets that need to be filled

with primer. Otherwise put a clear plastic cup upside down on the concrete in direct sunlight for 10 minutes. If there's condensation in the cup, the concrete is full of air pockets. Apply primer until you see no more air bubbles coming up.

Mix Ratio- 3:1 by volume

3 Lt Part A with Tint in + **1 Lt** Part B. **Do not dilute with water.**

[**10Lt Part A + 2Lt Tint**]

[**12Lt Part A Tinted**] to **4Lt Part B**

[**3Lt Part A Tint in**] to **1Lt Part B**

Have a 3Lt & 1Lt bucket or Jug that can be reused as a measuring system. It coats 14m², which is a nice amount to roll before it starts to set.

Coverage rate - ± 3.5 m².

Always add the 2Lt Tint to the 10Lt Part A then mix thoroughly & gently to avoid trapping air which may cause pin holes. Mix part A & B separately, then **thoroughly** mix them together. Only mix together the amount you will be able to roll in 20 minutes before it starts to set. Apply Epoxy with a roller (10mm nap for smoother surfaces or 20mm nap for rough surface).

Porous concrete – First Coat Epoxy Primer - damp the surface with a mist of water as you go, so the primer is sucked into the substrate, then pour & roll Epoxy Primer. Work it in well, to fill the voids.

Apply the Epoxy Coating once the Epoxy Primer is at least touch dry, but while still **tacky (within 24 hours)** otherwise it hardens, forming a smooth surface the Epoxy Coating has more difficulty sticking to. Apply a second coat in the opposite direction (90 degrees to the first coat). Make sure

the Epoxy Coating has a dry film thickness of minimum 300 micrometres.

Coverage: 3.5 m² / Lt (depends of substrate porosity) per coat.

Number of coats. Apply minimum **two coats**, but a three coat for very heavy traffic floors.

Drying Time @25°C/50% RH – 0.5 mm thick. 4 – 6 hours.

Recoat time:- Walls wait 4 - 5 hours. Flat surfaces- 4+ hours or 24-48 hours - if temp is below 20°C, poor ventilation, over silicon bond breakers or sealed & reinforced areas.

Full cure: 3 days (7 days if very thick)

TECHNICAL PERFORMANCE DATA

Appearance : Tinted.
Finish : Semi Gloss.
Mixing ratio : 3:1 by volume.
Weight solids : 60 – 65%.
Pot Life : 1 hour @ 25C.
Specific Gravity : 1.2 – 1.3 @ 25C.
Recoat Time : 4hours @ 25C & 50% RH.
Full Cure : 7days @ 25C & 50% RH.
VOC : 30g /Lt

PACKAGING- – 16 litre kit.

CLEAN UP Clean all tools/ equipment & hands with soapy warm water – away from drains & waterways. Water Based Epoxy Coating cures under water, do not leave dirty equipment soaking in water.

LIMITATIONS

The product will cure between 10 – 35C, & cease to cure below 10C. Curing time will be adversely affected when relative humidity is >85C.

Ventilation is required in enclosed areas to enable evaporation of the water during the curing cycle.

STORAGE Store between 10°C and 30°C away from direct sunlight. Partly used containers must be sealed tight when not in use.

SHELF LIFE 12 months when stored in the original unopened packaging in a dry place at an average of 23°C.

HEALTH AND SAFETY All epoxy materials can cause irreversible skin sensitization with regular skin contact. Wear protective clothing at all times during use of epoxy material to prevent contact with the skin. Wear rubber gloves & eye/face protection during mixing & application - avoid contact with skin & eyes. In the event of contact, wash immediately with soap & water. Refer to the material safety data sheet for further information. UN Number: N/A non flammable & non explosive.

Disclaimer *Please Note:-* The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable,

effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexperienced or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not AA Specialised Solutions), is responsible for procedures relating to the application of the product.



AA Specialised Solutions

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