



Water Based **CLEAR & TINTED**

Acrylic Hybrid & Acrylic PU Hybrid Coating

Technical Data Sheet

Info/Emergency Advice Tel: **0411 56 7083**

DESCRIPTION: A water based Acrylic Hybrid is a one pack, self cross-linking **protective** coating. As a **CLEAR** - it enhances stained/coloured concrete & gives it sheen or is rolled as a CLEAR Top Coat over a TINTED layer. Acrylic **PU** Hybrid is a two Pack with Hardener as Clear Top Coat. It's easy to apply, dries fast & has excellent adhesion. Early water resistance gives shorter drying time where rain can damage it.

FEATURES:

- Repels dirt & blocks oil, grease & water from staining the concrete.
- Makes concrete easier to clean.
- Prevents mould forming.
- Protecting against abrasion & wear.
- Excellent UV, chemical & blush resistance.

SUITABLE SUBSTRATES

Concrete driveways, sidewalks, floors, stamped & stencilled coloured or stained concrete, precast units, concrete pavers, natural & cultured stone.

Coverage: depends on substrate texture & porosity.
Tinted Acrylic Hybrid 6 – 7m² per Litre .

Clear Acrylic Hybrid 7 – 8m² per Litre.

Clear Acrylic PU Hybrid 7 – 8m² per Litre

Number of Coats: **minimum** two coats, with 2-4 hours between applications. As **CLEAR** - first coat as primer, then second & preferably third coats as undiluted Top Coats. As **TINTED** – first apply our Epoxy Primer & then apply a tinted coat, followed by one or two clear coats.

DRYING TIME- Touch Dry 2-4 Hours. Foot Traffic 24 Hours + Vehicle Traffic 72 Hours +

Surface Preparation follow our Surface Preparation Specification sheet.

All surfaces should be structurally sound, clean, dry & free of algae, mildew, mould, oil, grease & all contaminants should be removed.

Scrap away any loose or flaky material or any residual. Holes, non-structural cracks & other surface deformities should be repaired prior to application.

Roughen the surface with mechanical abrasion to make grooves for the sealer to grip into (especially non-porous & smooth surfaces like dense/**smooth** concrete, plastic or metal).

LIMITATIONS If it can't penetrate the surface, it can delaminate. If you are sealing coloured concrete there may be a reaction with the colouring agents, causing blistering, bubbling, or bleeding of colour. Also if you are recoating an old Sealer it may not be compatible, especially over a previous solvent based coating. Water based Acrylic or Acrylic Hybrid don't stick well to solvent based coatings. Always do a small test before applying this coating.

Although compatible with many carpet, tile & flooring adhesives, test to make sure they bond to this product.

Acrylic coatings are slippery on smooth surfaces so it's advisable to add crushed glass in the coating.

It has a reasonable resistance to Gasoline, Brake Fluid, Solvents, Acids & Alkalies. Don't apply thicker than recommended in a single coat.

Concrete should have cured for minimum 28 days.

APPLICATION

If there is possibility of rising damp or hydrostatic pressure, first prime with our WB Epoxy Primer & allowed to dry. Epoxy Primer is not UV stable, so

apply Tinted & then Clear Acrylic Hybrid over the Epoxy Primer to block out UV rays.
Please do not mix other manufacturer's products with our products. Mix the product thoroughly before use. Do not dilute this product unless it is used as a first coat, clear primer, which you can dilute maximum 10%. Apply it evenly using a 10 -11 nap paint roller. Distribute any puddles of excess sealer before it dries. Only apply in temperatures 10°C to 35°C.

DRY TEST - for about \$40 you can get a moisture reader that will prevent many problems.

POSSIBLE APPLICATION PROBLEMS

Acrylic Coating:-

Below 8°C temp – too cold for coating to dry, causing whitening & poor adhesion.

Windy day - especially hot wind, causes coating to skin, forming a lid that traps moisture, preventing it from drying. This causes bubbling delamination & efflorescence problems.

Substrate hasn't cured/dried enough – trapped moisture between coats causes a hazy often whitening finish & efflorescence.

Poorly Prepared Surface – if dust, oil & all other contaminants aren't removed, or if the surface is smooth, without mechanical abrasion for grip, the sealer can delaminate.

Clean Up

Dried product may be removed with a strong solvent such as acetone. (Always follow package directions). Clean tools & equipment with water immediately after use, away from drains & waterways. Clean drips & overspray with warm soapy water while still wet.

STORAGE - Store between 10°C and 30°C away from direct sunlight & avoid extreme temperature changes. Partly used containers must be sealed tight when not in use. Do not allow product to freeze during transport or storage. Material becomes unusable if frozen.

SHELF LIFE

Up to 12 months, if kept in an unopened sealed container & stored in cool conditions.

PRECAUTIONS

It is recommended that after applying this coating, the coated surface be protected from foot traffic for a minimum of 24 hours & vehicle traffic for a minimum of 72 hours. This time depends on weather conditions & coating thickness, so check first.

DISPOSAL OF EXCESS PRODUCT Excess product can be wiped on newspaper & allowed to dry before proper disposal according to Local Council regulations or get a legal chemical disposal company to collect it. Keep product away from any drains or waterways.

HEALTH AND SAFETY

Please read & follow this product's Material Safety Data Sheet before use. Material Safety Data Sheets are available by phoning **0411 56 7083**.

Issued March 2012 [Products are often updated so please ask for a current copy].

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, inexpert 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.



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