

Technical Data Sheet



Truestik VA1 - Acrylic Vinyl Adhesive

DESCRIPTION:

Truestik VA1 is an acrylic adhesive designed to give a strong, water-resistant bond when used to install vinyl flooring to on-grade concrete, timber and composite-board.

Truestik VA1 is a High Tack VLVOC, (**Very Low Volatile Organic Content**) Vinyl Adhesive.

TYPICAL FEATURES | BENEFITS:

- Truestik VA1 is recommended for all vinyl types.
- Truestik VA1 has especially high residual tack properties so that peaking or bubbles are minimised.
- Extensive testing of Truestik VA1 has shown that it has extremely good plasticiser resistance and non-staining properties.
- Re-bonding will occur with heavy rolling when required.
- Solvent Free; Suitable for use in enclosed workspaces.
- Truestik VA1 adhesive is based on a solvent free acrylic emulsion that “crosslinks” or bonds to the vinyl, this action develops an extremely strong bond that makes Truestik VA1 a top adhesive performer.

PERFORMANCE DATA:

Element	Value
Minimum Application Temperature:	~ Air ~ Floor +10°C <i>Never apply adhesive when floor temperature is 5°C or less.</i> +5°C <i>Tack off time will be very slow if floor temperature is 5-10°C</i>
Maximum operating temperature:	+60°C
Flash Point:	NA – Water-based
VOC Emission Testing: <i>"Test Method: SCAQMD method 304-91 Determination of Volatile Organic Compounds (VOC) in Various Materials as referenced by South Coast Air Quality Management Division (SCAQMD) Rule 1168." This states that adhesives must have less than 50 g/lit of VOC.</i>	0.87 g/L
Adhesion Properties to correctly prepared surface:	~ Concrete ~ Timbers Excellent Excellent
Appearance:	White Thix'd Liquid
Type:	Single stick trowelable paste
Base:	Pure acrylic water borne Low VOC
Adhesive Solids:	70%
SG kg/litre:	1.13 – 1.18
Colour:	Off White
Thinning:	Do Not thin
Coverage:	5 – 6m ² /litre <i>This will depend on trowel, floor finish and porosity.</i>
Pot Life (Usable Life) <i>Pot life is based on 100 gram samples.</i>	+25°C –50%RH 20 – 30 minutes <i>Dependent upon atmospheric conditions, air movement, air temperature and the porosity of the substrate.</i>
Cure Time:	+25°C –50%RH 24 hours - <i>Best after 48 hours</i>
Clean Up:	Wash hands with warm soapy water after any skin contact Solvent HA for tools
Dangerous Goods Class:	NA - Waterborne
Packaging:	15 litre Plastic Pail
Shelf life:	12 months from date of manufacture when stored in an unopened container at 5 – 30°C **Must not Freeze** <i>After this period consult with allnex.</i>

RECOMMENDED USES:

- Commercial Vinyl.
- Vinyl Tiles.
- Residential Vinyl.
- Vinyl Planks.

NOT RECOMMENDED:

- Application uncured concrete (minimum cure 28 days).
- Application to Wet or Damp substrates.
- Should not be used for exterior applications.
- Application to unstable substrates.
- For bonding untested materials.

SUBSTRATE PREPARATION:

Concrete

- The substrate must be sound, smooth, dry and clean.
- Remove any dirt, wax, loose paint, existing adhesives, concrete sealers, curing and parting agents, and all other foreign matter that would interfere with a good bond.
- Do not use on substrates that have been chemically cleaned.
- Check that new concrete and floor levelling compounds have been allowed to dry sufficiently.
- Check that an effective damp-proof membrane is installed in the concrete. *Refer NZFMC Manual 5002.*
- Use Duracryl HSV on concrete substrates with in-situ Relative Humidity per the latest version of *ASTM* F2170 up to 80% RH and with surface pH from 7 - 9.*

**ASTM International, formerly known as the American Society for Testing and Materials: www.astm.org*

Wet or Damp Concrete Floors

- If in doubt about potential wet or damp floors, seal with Aquakem (*Aquaguard 101*) before proceeding.
Refer: Aquakem technical literature.

Porous Substrates

- Very Porous floors should be sealed with a suitable sealer, "allnex Duraseal"

Timber and Composite Board

- The surface must be dry, clean and sanded lightly.
- Very porous floors should be sealed with a suitable sealer; "allnex Duraseal."
- Flooring grade particle board must be adequately weathered before application of adhesive.

Floor levelling

- Levelling of floors may be done with allnex FLC compounds (*See list below*) or seek advice from allnex Construction Products technical team.

APPLICATION METHOD:

- Ensure the floor is well prepared.
- Only use adhesive in good drying/setting conditions.
- Site conditions and substrate preparations must comply with those as described per current AS/NZS 2455 guidelines for Sheet Vinyl and Vinyl Plank installation.
- The installation site must be acclimated with HVAC in operation.
- The floor and room temperature, as well as flooring materials and adhesive, must be maintained at 10° - 35° C,
- Relative Humidity between 30% and 75% for 48 hours prior to, during, and after the testing and installation.

Sheet Vinyl

- Follow floor-covering manufacturer's installation instructions and proper adhesive application rate.
- Lay into adhesive the wet adhesive and roll with an Intafloors IF7275 75lbs. or Intafloors IF72100 100 lbs. roller.
- Full adhesive properties are developed once the adhesive has cured.

Vinyl Planks

- Follow covering manufacturer's installation instructions and proper adhesive application rate.
- Lay into adhesive the wet adhesive and roll with an Intafloors IF7275 75lbs. or Intafloors IF72100 100 lbs. roller.
- Full adhesive properties are developed once the adhesive has cured.

Notch trowel :

Notch Type	Notch Size	Trowel Usage
Versablade 680 -FFA	U Notch (Inch) 1/32 x 1/16 x 1/32	Very fine spread of adhesive - Vinyl
Versablade 680 -ACT	V Notch (Inch) 1/16 x 1/16 x 1/16	Higher spread of adhesive - Vinyl



CAUTION:

Do not return unused product from the floor surface to the pail. This will contaminate the pail. Replace lid securely when finished.

HEALTH & SAFETY: Refer safety data sheets (SDS).

- Wear gloves wherever possible.
- Wash hands with warm, soapy water after any skin contact.
- Re-seal all containers tightly.

ADHESIVE RANGE:**Solvent-based**

Product	Type	Colour	Application Method	Installation Type
CB103	Brushable Contact	Straw	Brush Roller	Various – Refer Technical Literature
CS110	Sprayable Contact	Straw	Brush Roller Spray	Various – Refer Technical Literature
CS107	Sprayable Contact	Red	Brush Roller Spray	Various – Refer Technical Literature
Quicktack	Trowel Grade	Cream	Trowel	Garage & Outdoor Carpet

Water-based

Product	Type	Colour	Application Method	Installation Type
Duracryl HSV	Acrylic	Off-white	Trowel	Vinyl – all types Vinyl Planks* ¹
Supacryl	Acrylic - Zero VOC	White	Trowel	Vinyl – all types Vinyl Planks
Truestik VA1	Acrylic - Zero VOC	Off-white	Trowel	Vinyl – all types Vinyl Planks
Supatack T9 -Gen 2	Acrylic	Off-white	Trowel	Vinyl – all types Vinyl Planks
Goldstix	Latex-based	Off-white	Trowel	Carpet
RMA 2000 CTA	Acrylic	Pink	Trowel Roller	Carpet Tiles Polystyrene
Super 7	Acrylic	Off-white	Trowel	Rigid Vinyl Tiles Direct Stick Carpet Underlay

Epoxy | Polyurethane

Product	Type	Colour	Application Method	Installation Type
NPU	2-part Polyurethane	Beige	Trowel	Various – Refer Technical Literature
Truestik EA	2-part Epoxy	Green	Trowel	Various – Refer Technical Literature* ²

*¹ Recommended adhesive for vinyl plank*² Recommended adhesive for vinyl planks in areas exposed to solar heat gain.**FLOOR LEVELLING COMPOUND RANGE:****Patch Repairs**

Product	Application Thickness	Mix Additive	Application Area	Use
Supaset	1 - 100mm in single application	Water	Interior	Rapid Set
Hardfast (White Patch)	0 - 20mm in a single application	Water	Interior	Divots Isolated patching only

Bulk Fill

Product	Application Thickness	Mix Additive	Application Area	Use
Screed 20 +	5 - 100mm in single application	Water	Interior	Heavy Duty Bulk Fills - Ramps
Supaset	1 - 100mm in single application	Water	Interior	Rapid Set Shower Falls
Unifloor	1 - 100mm in single application	Water	Interior Exterior	Economy Bulk Fills - Ramps

Two-Part Screed

Product	Application Thickness	Mix Additive	Application Area	Use
Durabond Superfine	0 - 5mm in a single application	Latex Emulsion	Interior	General Purpose - Fine Finish
Matrix	0 - 3mm in a single application	Latex Emulsion	Interior	General Purpose - Fine Finish

Self-Levelling

Product	Application Thickness	Mix Additive	Application Area	Use
Pourite SLC	1.5 - 10mm in single application	Water	Interior	Self-Levelling Installations
Pourite Max	5 - 30mm in single application	Water	Interior	Self-Levelling Installations

Fine Feather Finish

Product	Application Thickness	Mix Additive	Application Area	Use
Mastertop 505	Very fine finishing	Water	Interior	Fine Smoothing of floors
Flawfix	Very fine finishing	Water	Interior	Fine Smoothing of floors

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