



TRUESTIK VA1 ADHESIVE

DESCRIPTION:

Truestik VA1 is 100% acrylic adhesive designed to give a strong, water-resistant bond when used to install vinyl sheet flooring to on-grade concrete, timber, and composite-board.

Truestik VA1 is a high tack, VLVO (**Very Low Volatile Organic Content**) vinyl adhesive.

TYPICAL FEATURES | BENEFITS:

- Truestik VA1 is recommended for all vinyl types.
- Truestik VA1 has high 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 an 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	+10°C <i>Never apply adhesive when floor temperature is 5°C or less.</i>
	~ Floor	+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:		0.87 g/L
"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/Lt of VOC.		
Adhesion Properties to correctly prepared surface:	~ Concrete	Excellent
	~ Timbers	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 - Best after 48 hours
Clean Up:		Wash hands with warm soapy water after any skin contact. Hot Soapy water for cleaning tools is better than solvents.
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 DGL Bondlast Construction Products.</i>

ENVIRONMENTAL RATING:

Truestik VA1 is a pure acrylic adhesive.
Truestik VA1 emits on curing, 0.87grams / lt of emitted materials .
This product therefore is considered to comply with Green Star or LEEDS systems for a star for adhesives.

RECOMMENDED USES:

- Commercial vinyl.
- Vinyl tiles.
- Residential vinyl.
- Vinyl planks.

NOT RECOMMENDED:

- Application to uncured concrete (minimum cure 28 days).
- Application to damp or wet substrates.
- Should not be used in exterior situations.
- Application to unstable substrates.
- For bonding untested materials.

SUBSTRATE PREPARATION:

The substrate must be sound, smooth, dry, and clean.	
Remove all dust, dirt, oil, scale, laitance, paint or any other contaminates that may interfere with a good bond.	
Concrete:	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 Truestik VA1 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: DGL Bondlast Aquakem technical literature.
Porous Substrates:	Very Porous floors should be sealed with a suitable sealer, Refer: DGL Bondlast “Universal Primer”.
Timber and Composite Board:	The surface must be dry, clean, and sanded lightly. Very porous floors should be sealed with a suitable sealer, Refer: DGL Bondlast “Universal Primer”. Flooring grade particle board must be adequately weathered before application of adhesive.
Floor Levelling:	Levelling of floors may be done with Bondlast FLC compounds (See list below) or seek advice from DGL Bondlast Construction Products technical team.

APPLICATION METHOD:

Notched Trowel	
The surface to be bonded must be clean and sound.	
Application:	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 Commercial Vinyl and Carpet Installation. The installation site must be acclimated with HVAC in operation. The floor and room temperature, as well as flooring materials and adhesive, should 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 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 floor-covering manufacturer’s installation instructions and proper adhesive application rate. Lay into 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. Note* For high solar gain areas use: DGL Bondlast Truestik EA.

NOTCH TROWEL TYPES:

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
Roberts 6037	Trowel Grade	Cream	Trowel	Garage & Outdoor Carpet
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
Garatack	Acrylic	Off-white	Trowel	Carpet
Goldstix	Latex-based	Off-white	Trowel	Carpet
Bondstix	Latex-based	Off-white	Trowel	Carpet
RMA 2000 CTA	Acrylic	Pink	Trowel Roller	Carpet Tiles Polystyrene

Epoxy | Polyurethane

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

Footnotes:

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
Bondlast Rapid Patch 40	0 - 100mm in a single application	Water	Interior	Rapid Set
Hardfast <i>(White Patch)</i>	0 - 20mm in a single application	Water	Interior	Divots Isolated patching only

Bulk Fill

Screed 20 +	10 - 100mm in single application	Water	Interior	Heavy Duty Bulk Fills - Ramps
Bondlast Rapid Screed	5 - 200mm in a single application	Water	Interior / Exterior	Rapid Set Shower Falls

Two-Part Screed

Durabond Superfine	0 - 5mm in a single application	Latex Emulsion	Interior	General Purpose - Fine Finish
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Self-Levelling

Bondlast Super Level 30	0 - 12mm in single application <i>Self-Smoothing at >3mm</i>	Water	Interior	Self-Levelling Installations
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Fine Feather Finish

Bondlast Super Feather Patch	0 - 3mm in single application <i>Very fine finishing</i>	Water	Interior	Fine Smoothing of floors
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