



## DURACRYL HSV ADHESIVE

### DESCRIPTION:

Duracryl HSV 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.

### TYPICAL FEATURES | BENEFITS:

- Duracryl HSV is recommended for all vinyl types.
- Duracryl HSV has high tack properties so that peaking or bubbles are minimised.
- Extensive testing of Duracryl HSV has shown that it has extremely good plasticiser resistance and non-staining properties.
- Duracryl HSV adhesive is based on an acrylic emulsion that “crosslinks” or bonds to the vinyl. This action develops an extremely strong bond that makes Duracryl HSV a top adhesive performer.

### PERFORMANCE DATA:

| Element   | Value   |
|---|---|
| Minimum Application Temperature:  | ~ Air<br>~ Floor<br>+10°C <i>Never apply adhesive when floor temperature is 5°C or less.</i><br>+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  |
| Adhesion Properties to correctly prepared surface:                      | ~ Concrete<br>~ Timbers<br>Excellent<br>Excellent   |
| Appearance:   | White Thix'd Liquid   |
| Type:   | Single stick trowelable paste   |
| Base:   | Pure acrylic   water borne   Low VOC  |
| Adhesive Solids:  | 70%   |
| SG kg/litre:  | 1.15 – 1.2  |
| Colour:   | Off White   |
| Thinning:   | Do Not Thin   |
| Coverage:   | 5 - 6m <sup>2</sup> /litre<br><i>This will depend on trowel, floor finish and porosity.</i>   |
| Pot Life (Usable Life)<br><i>Pot life is based on 100-gram samples.</i> | +25°C –50%RH<br>20 – 30 minutes<br><i>Dependent upon atmospheric conditions, air movement, air temperature and the porosity of the substrate.</i>                                       |
| Cure Time:  | +25°C –50%RH<br>24 hours - <i>Best after 48 hours</i>   |
| Clean Up:   | Wash hands with warm soapy water after any skin contact.<br>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 <b>**Must not Freeze**</b><br><i>After this period consult with Bondlast Construction Products.</i> |

### RECOMMENDED USES:

- Commercial vinyl.
- Vinyl tiles.
- Residential vinyl.
- Vinyl planks – **DGL Bondlast preferred adhesive for these applications.**

### 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 contaminants that may interfere with a good bond.

|                                     |   |
|-------------------------------------|---|
| <b>Concrete:</b>                    | Do not use on substrates that have been chemically cleaned.<br>Check that new concrete and floor levelling compounds have been allowed to dry sufficiently.<br>Check that an effective damp-proof membrane is installed in the concrete. <i>Refer NZFMC Manual 5002.</i><br>Use Duracryl 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.<br><i>*ASTM International, formerly known as the American Society for Testing and Materials: <a href="http://www.astm.org">www.astm.org</a></i> |
| <b>Wet or Damp Concrete Floors:</b> | If in doubt about potential wet or damp floors, seal with Aquakem ( <i>Aquaguard 101</i> ) before proceeding.<br><i>Refer: DGL Bondlast Aquakem technical literature.</i>   |
| <b>Porous Substrates:</b>           | Very Porous floors should be sealed with a suitable sealer, <i>Refer: DGL Bondlast "Universal Primer".</i>  |
| <b>Timber and Composite Board:</b>  | The surface must be dry, clean, and sanded lightly.<br>Very porous floors should be sealed with a suitable sealer, <i>Refer: DGL Bondlast "Universal Primer".</i><br>Flooring grade particle board must be adequately weathered before application of adhesive.   |
| <b>Floor Levelling:</b>             | Levelling of floors may be done with Bondlast FLC compounds ( <i>See list below</i> ) or seek advice from DGL Bondlast Construction Products technical team.  |

## APPLICATION METHOD:

### Notched Trowel

The surface to be bonded must be clean and sound.

|                      |   |
|----------------------|---|
| <b>Application:</b>  | Ensure the floor is well prepared.<br>Only use adhesive in good drying/setting conditions.<br>Site conditions and substrate preparations must comply with those as described per current AS/NZS 2455 guidelines for Commercial Vinyl and Carpet Installation.<br>The installation site must be acclimated with HVAC in operation.<br>The floor and room temperature, as well as flooring materials and adhesive, should be maintained at 10° - 35° C.<br>Relative Humidity between 30% and 75% for 48 hours prior to, during, and after the testing and installation. |
| <b>Sheet Vinyl:</b>  | Follow floor-covering manufacturer's installation instructions and proper adhesive application rate.<br>Lay into the wet adhesive and roll with an Intafloors IF7275 75lbs. or Intafloors IF72100 100 lbs. roller.<br>Full adhesive properties are developed once the adhesive has cured.   |
| <b>Vinyl Planks:</b> | Follow floor-covering manufacturer's installation instructions and proper adhesive application rate.<br>Lay into the wet adhesive and roll with an Intafloors IF7275 75lbs. or Intafloors IF72100 100 lbs. roller.<br>Full adhesive properties are developed once the adhesive has cured.<br><b>Note*</b><br><i>For high solar gain areas use: DGL Bondlast Truestik EA.</i>  |

## 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 <sup>1</sup> |
| 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 <sup>2</sup> |

### 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 (White Patch)  | 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 |
|--------------------|---------------------------------|----------------|----------|-------------------------------|

### Self-Levelling

|                         |  |       |          |                              |
|-------------------------|--|-------|----------|------------------------------|
| Bondlast Super Level 30 | 0 - 12mm in single application<br><i>Self-Smoothing at &gt;3mm</i> | Water | Interior | Self-Levelling Installations |
|-------------------------|--|-------|----------|------------------------------|

### Fine Feather Finish

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

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