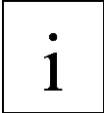


Always use correct Personal Protective Equipment

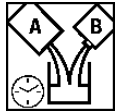
REPAIRING / OVERCOATING HYPERSHIELD

Description

Procedure for the touch up and repair work of vinyl substrates over coated with Hypershield / Tinted Hypershield.



Products



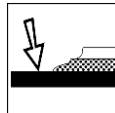
Product Type: Moisture cure Acrylic/Urethane
Colour: Clear / Tinted Hypershield
Pot Life: Up to 2 hours, relative humidity not exceeding 50-80%
Induction Time: N/A
Density: 1.001 kg/L Hypershield Clear only.
Recommended DFT: 25 microns
Theoretical Coverage: 10-13 m²/L @ 25 microns

Properties



VOC: 473 g/L
Volume Solids: 46% approx unthinned Hypershield Clear only
Recoat-ability: Recoat: Up to 1 hour
Dry Time @ 20°C: **(depending of relative humidity of the atmosphere):**
 Touch Dry: 1 to 3 hours depending on substrate
 Dry to tape: 3-5 hours

Substrates



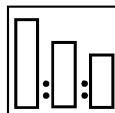
Hypershield / Tinted Hypershield applied to vinyl substrates.

Surface Preparation



Clean vinyl substrate with RALI Wax & Grease Remover followed by IPA working in small areas using wipe on / wipe off method. Area to be repaired / touched up has to be **deglossed** / abraded well with Grey 3M Scotchbrite™ and Flattening Paste (dip Scotchbrite™ in water to spread Flattening Paste evenly over surface). Special attention should be made to fully de-gloss repair area well. Wipe clean repair area with clean cloths / water to remove Flattening Paste residue and dry. Wipe **deglossed** area with RALI IPA working in small areas using wipe on / wipe off method.

Directions For Use



Mixing Ratio: 1 part Hypershield / Tinted Hypershield
 Up to 1 part Hypershield Reducer

Application Method: Strain thinned product before application. Apply one medium coat followed by a second medium coat after 10 –15 minutes flash time. Always check test area for drying, appearance, adhesion and flexibility before full application.

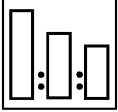
Directions For Blending:

- If not spraying repair to a hard masked edge, Hypershield or

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Always use correct Personal Protective Equipment

Use (cont)



Tinted Hypershield can be blended at low pressure using Hypershield Reducer.

- Ensure area to be blended is **deglossed** with flattening paste as mentioned above.
- Once 2 coats have been applied as per repair, Take some already mixed product and add additional reducer. Ratio 1 part of mixed (already reduced) Hypershield, to 1 part of additional Hypershield Reducer.
- At low pressure, apply 1 coat of the reduced product for the “melt-in” to the area surrounding the repair.
- Apply a 2nd coat extending further into the **deglossed** area surrounding the repair.
- When blending the “reduced product” stay within the deglossed area.
- To ensure proper overspray melt-in, this procedure should be completed within 5 min of repair application @ approx 20°C.
- After full cure check for invisible melt in of the blended area and polish if necessary.

- Special Notes:**
- *For best results Hypershield / Tinted Hypershield should be left for at least 2-3 days before repair work.*
 - *A new 3M Grey Scotchbrite™ should be used to abrade Hypershield. Do not use sandpaper or foam sanding pads unless Tinted Hypershield is aged.*
 - *Particular attention should be made when abrading along stripe edging. Final stripe masking should be applied slightly over abraded scotchging.*
 - *Plastic Fineline should be used for clean edge masking.*
 - *For best results remove all tape work the following day.*
 - *Hypershield should not be applied when ambient temperatures is less than 10°C, or when temperature is likely to fall to less than 10 °C for more than two hours within the first twelve hours after painting.*
 - *Low temperatures will adversely affect drying time. When cold conditions are prevalent or expected, Hypershield must be kept at a minimum of 10 °C for at least eight hours after application to ensure correct drying.*

If Hypershield is to be used to coat vinyl transport curtains a special disclaimer is required. This is to ensure that specific preparation and application requirements are met before we can endorse the applicator. Please contact RALI Head Office and ask for Applications Chemist.

Spray Equipment:



Compliant / Conventional suction and gravity feed guns.
Tip Size: 1.5 - 2 mm
Spray pressure: 275-380 kPa (40-55 psi)

Health &

For detailed information refer to Safety Data Sheet (SDS). Mixed product contains

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Always use correct Personal Protective Equipment**Safety**

isocyanates; splashes to eyes will cause irritation. Contact with skin may cause irritation and inhalation of vapours or dust from sanding may cause respiratory sensitisation. Applicators must wear protective clothing and suitable respiratory equipment. Product is flammable, use and store away from heat and ignition sources.

Transport & Storage

Sizes:	1L, 4L, 20L
Dangerous Goods:	3A/6.1b
UN:	1263
Hazchem:	3[Y]E
Packing Group:	II
Shipment name:	Paint Related Material
Flash point:	4°C

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