

# HY-SHIELD Waterborne Hybrid Floor Finish

## PRODUCT INFORMATION SHEET

### PRODUCT



### DESCRIPTION

Built on advanced hybrid technology, Hy-Shield is an extraordinary new floor finish designed to give outstanding durability on hard vinyl floors such as vinyl sheets, vinyl tiles and vinyl planks. Other applications include slate, terrazzo, hard unglazed stone and quarry tiles, laminated floors and polished internal concrete floors.

The finish is easy to apply and the ultra high solids formula builds rapidly during application to give maximum protection with fewer coats than normally needed with conventional polymer floor finishes.

This tough water based acrylic polyurethane finish has high resistance to soil, wear and daily traffic damage. Scuffs and black rubber burns are instantly removed utilizing high speed or ultra high speed maintenance procedures.

Hy-Shield is available in gloss or matt finish. Hy-Shield gloss dries to an attractive "Wet Look" finish. Matt finish Hy-Shield highlights the natural beauty of timber with minimum shine and reflection. Both finishes are safe underfoot, UV stable and free from yellowing and can be easily stripped if required.

With low odour characteristics and with no hydrocarbon solvents in the formula, Hy-Shield is a safe product to use and environmentally friendly.

# HY-SHIELD Waterborne Hybrid Floor Finish

- UV- stable
- Excellent wear resistance
- Environmentally friendly
- Low odour
- Easy to maintain and Strip
- Suitable for ultra high speed gas burnishing

## TECHNICAL INFORMATION

<b>Type of Finish:</b>	Hybrid Waterborne Acrylic/Polyurethane finish
<b>Solids Content:</b>	27 ± 1 %
<b>Viscosity:</b>	Approx. 15-16 sec # 4 @ 25 °C
<b>pH value:</b>	8.50-9.50
<b>Specific Gravity:</b>	1.006 ± 0.005
<b>Sheen (@ 60°):</b>	85 – 90 %
<b>Matte (@ 60°):</b>	15 – 20%
<b>Drying Time:</b>	1 – 2 hours @ 20 °C / 60% RH
<b>Application tools:</b>	Poly cotton applicator, Poly cotton mop, Roller
<b>Application Rate:</b>	Approx. 40-50 m <sup>2</sup> / Lit
<b>Safety:</b>	Non-Hazardous. For more details see MSDS.
<b>Flash Point:</b>	Non-Flammable
<b>Resistance to chemicals:</b>	Very good resistance to household chemicals.
<b>Shelf Life:</b>	At least 1 year from the date of production, in unopened original container.
<b>Storage/Transport:</b>	The temperature must not fall below +5 °C or exceed +30°C during storage and transport.

# HY-SHIELD Waterborne Hybrid Floor Finish

## FEATURES AND BENEFITS

- Ultra high solids hybrid floor polish
- Matte or gloss finish
- Thin coats
- Quick drying and curing time
- Can be used on Vinyl, Timber, Tiles, and indoor polished Concrete
- UV- stable
- Excellent wear resistance
- Environmentally friendly
- Low odour
- Easy to maintain and Strip
- Suitable for ultra high speed gas burnishing

## TECHNICAL INFORMATION

<b>Type of Finish:</b>	Hybrid Waterborne Acrylic/Polyurethane finish
<b>Solids Content:</b>	27 ± 1 %
<b>Viscosity:</b>	Approx. 15-16 sec # 4 @ 25 °C
<b>pH value:</b>	8.50-9.50
<b>Specific Gravity:</b>	1.006 ± 0.005
<b>Sheen (@ 60°):</b>	85 – 90 %
<b>Matte (@ 60°):</b>	15 – 20%
<b>Drying Time:</b>	1 – 2 hours @ 20 °C / 60% RH
<b>Application tools:</b>	Poly cotton applicator, Poly cotton mop, Roller
<b>Application Rate:</b>	Approx. 40-50 m <sup>2</sup> / Lit
<b>Safety:</b>	Non-Hazardous. For more details see MSDS.
<b>Flash Point:</b>	Non-Flammable
<b>Resistance to chemicals:</b>	Very good resistance to household chemicals.
<b>Shelf Life:</b>	At least 1 year from the date of production, in unopened original container.
<b>Storage/Transport:</b>	The temperature must not fall below +5 °C or exceed +30°C during storage and transport. Keep out of direct sunlight!
<b>Pack Size:</b>	5Lit and 15Lit

# HY-SHIELD Waterborne Hybrid Floor Finish

## APPLICATION

Roller application:

- For roller application use a paint tray and load the roller evenly with Hy-Shield. Roll out excess on tray ramp. Roll slowly on the surface to be coated by overlapping the roller strokes. Finish off lightly with the roller free of product.

Polly Cotton mop/Polly cotton applicator:

- Pour Hy-Shield into a bucket, tray or suitable container and immerse poly cotton applicator or a poly cotton mop. Soak completely. Squeeze out excess liquid to eliminate dripping. Apply a first thin even coat of the finish to the floor. Start the application of Hy-Shield by running the mop parallel to and next to the skirting board.

Do not apply product to the vertical portions of skirting board. Form a U shape section of applied finish. Cover the remaining floor area inside the U shape using a figure 8 stroke. Be sure to coat the whole floor. Avoid splashing Hy-shield. Pick up any puddles of Hy-Shield before they dry. Apply two or more coats as desired. More coats provide added protection to the floor producing higher appearance levels.

## DRYING TIME

First coat will dry in approximately 1 hour. Second and third coats will dry slower. Allow 1-2 hours for all subsequent coats to dry.

Drying time of Hy-Shield depends on the environmental conditions of the area such as air-flow, humidity, and temperature. Area must be well ventilated.

**Do not clean floor with detergents for the first 72 hours.**

## MAINTENANCE

Use mats at external entries to prevent the dirt from entering.

Sweep floor daily or as often as possible. Use electrostatic sweep mop.

Damp mop once a week using Versadet neutral floor cleaner. Use Versadet according to label directions.

Use auto scrubber if required. When scrubbing, use Strobe. Rinse with clean water.

When required machine buff or burnish the floor using a High Speed or Ultra High Speed polishing machine.

# HY-SHIELD Waterborne Hybrid Floor Finish

## REFURBISHMENT

Replacement of finish may be necessary from time to time in heavily trafficked floor areas. Always remove accumulated floor polish, deep scratches, machine scrub with Versadet and rinse thoroughly before applying top up coats of Hy-Shield.

## *INDOOR PRE-COATED CONCRETE FLOORS*

### INITIAL FLOOR PREPARATION

#### **GOOD FINISH STARTS WITH GOOD PREPARATION!**

**Note: Hy-Shield should not be applied to indoor pre-coated floors when the temperature is predicted to drop below 10°C at any time within a 24 hour period after application.**

Thoroughly clean the floor with clean water and a suitable detergent. Make sure to remove all dust particles, grease, wax, or any other residues. Rinse the floor well with clean water and allow to completely dry.

**PLEASE NOTE:** Drying time depends on humidity, air-flow, room and floor temperature. If applied indoors, area must be well ventilated. Please make sure when applying Hy-Shield that ambient and the surface temperature does not fall below 10 °C during application and within 24 hours after application. Hy-Shield should be applied on dry substrates. Moisture content should be less than 15 %. A moisture meter is recommended to indicate the curing conditions of finish.

**Ensure all contaminants are removed; try Hy-Shield on small area (1m<sup>2</sup>) first!**

### APPLICATION

Application tools that can be used are a roller, poly cotton applicator, poly cotton mop.

Apply Hy-Shield in a thin and even coat. Make sure you avoid puddling.

Application rate may vary due to concrete age and porosity.

# HY-SHIELD Waterborne Hybrid Floor Finish

Roller application:

- For roller application use a paint tray and load the roller evenly with Hy-Shield. Roll out excess on tray ramp. Roll slowly on the surface to be coated by overlapping the roller strokes. Finish off lightly with the roller free of product.

Polly Cotton mop/Polly cotton applicator:

- Pour Hy-Shield into a bucket, tray or suitable container and immerse poly cotton applicator or a poly cotton mop. Soak completely. Squeeze out excess liquid to eliminate dripping. Apply a first thin even coat of the finish to the floor. Start the application of Hy-Shield by running the mop parallel to and next to the skirting board. Do not apply product to the vertical portions of skirting board. Form a U shape section of applied finish. Cover the remaining floor area inside the U shape using a figure 8 stroke. Be sure to coat the whole floor. Avoid splashing Hy-shield. Pick up any puddles of Hy-Shield before they dry. Apply two or more coats as desired. More coats provide added protection to the floor producing higher appearance levels.

## DRYING TIME

Allow 1 hour for first coat to dry. Second and subsequent coats will take longer approximately 1-2 hours. Drying time of Hy-Shield depends on the environmental conditions of the area such as air flow, humidity and temperature. Area must be well ventilated.

## MAINTENANCE

Use mats at external entries to prevent the dirt from entering.

Sweep floor daily or as often as possible.

Damp mop once a week using Versadet neutral floor cleaner. Use Versadet according to label directions. Rinse with clean water.

## REFURBISHMENT

Replacement of finish may be necessary from time to time in heavily trafficked floor areas. Always remove accumulated floor polish, deep scratches, machine scrub and rinse thoroughly before applying top up coats of Hy-Shield.

# HY-SHIELD Waterborne Hybrid Floor Finish

**TERRAZZO, UNGLAZED QUARRY TILES, PRE-SEALED SLATE**

## INITIAL FLOOR PREPARATION

### GOOD FINISH STARTS WITH GOOD PREPARATION!

For previously polished floors make sure you create clean and smooth surface. Remove all uneven surfaces of polish accumulation as well remove ingrained soil and traffic marking.

For new floors, deep scrub to remove traffic marks and ingrained soil. Rinse thoroughly with clean water and allow floor to completely dry.

Dust mop the floor before Hy-Shield application.

**PLEASE NOTE:** Drying time depends on humidity, air-flow, room and floor temperature. If applied indoors, area must be well ventilated. Please make sure when applying Hy-Shield that ambient and the surface temperature does not fall below 10 °C during application and within 24 hours after application. Hy-Shield should be applied on dry substrates. Moisture content should be less than 15 %. Moisture meter is recommended to indicate curing conditions of finish.

**Ensure all contaminants are removed; try Hy-Shield on small area (1m<sup>2</sup>) first!**

## APPLICATION

Roller application:

- For roller application use a paint tray and load the roller evenly with Hy-Shield. Roll out excess on tray ramp. Roll slowly on the surface to be coated by overlapping the roller strokes. Finish off lightly with the roller free of product.

Polly Cotton mop/Polly cotton applicator:

- Pour Hy-Shield into a bucket, tray or suitable container and immerse poly cotton applicator, poly cotton mop or a roller. Soak completely. Squeeze out excess liquid to eliminate dripping. Apply a first thin even coat of the finish to the floor. Start the application of Hy-Shield by running the mop parallel to and next to the skirting board.

Do not apply product to the vertical portions of skirting board. Form a U shape section of applied finish. Cover the remaining floor area inside the U shape using a figure 8 stroke. Be sure to coat the whole floor. Avoid splashing Hy-shield. Pick up any puddles of Hy-Shield

# HY-SHIELD Waterborne Hybrid Floor Finish

before they dry. Apply two or more coats as desired. More coats provide added protection to the floor producing higher appearance levels.

## DRYING TIME

First coat will dry in 1-2 hours. Second and third coats will dry slower. Allow 2 + hours for all subsequent coats to dry.

Drying time of Hy-Shield depends on the environmental conditions of the area such as air-flow, humidity, and temperature. Area must be well ventilated.

Do not clean floor with detergents for the first 72 hours.

## MAINTENANCE

Use mats at external entries to prevent the dirt from entering.

Sweep floor daily or as often as possible.

Damp mop once a week using Versadet neutral floor cleaner. Use Versadet according to label directions. Rinse with clean water.

## REFURBISHMENT

Replacement of finish may be necessary from time to time in heavily trafficked floor areas. Always remove accumulated floor polish, deep scratches, machine scrub and rinse thoroughly before applying top up coats of Hy-Shield.

## SAFETY

**Swallowed:** Do not induce vomiting. Give a glass of water and contact doctor or the Poisonous Information Centre on **(Australia 13 11 26 or New Zealand 0800 764 766)**.

**Eyes:** If in eyes, hold eyelids open and irrigate with water for at least 15 minutes. See a doctor if effects persist.

**Skin:** Remove contaminated clothing; wash affected area with soap and water.