

## HY-SHIELD

### Water based Hybrid Floor Finish

#### PRODUCT INFORMATION SHEET

##### 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.

##### 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, Terrazzo 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:

Type of Finish:	Hybrid Waterborne Acrylic/Polyurethane finish
Solids Content:	32.0 ± 1.0 %
Viscosity:	Approx. 15-16 sec # 4 @ 25 °C
VOC:	134grams / Lit
pH value:	8.50-9.50
Specific Gravity:	1.006 ± 0.005
Sheen (@ 60°):	85 – 90 %
Matte (@ 60o):	15 – 20%
Drying Time:	1 – 2 hours @ 20 °C / 60% RH
Application tools:	Poly cotton applicator, Poly cotton mop, Roller
Application Rate:	Approx. 40-50 m2/ Lit
Safety:	Non-Hazardous. For more details see SDS.
Flash Point:	Non-Flammable
Resistance to chemicals:	Very good resistance to household chemicals
Shelf Life:	At least 1 year from the date of production, in unopened original container.
Storage/Transport:	The temperature must not fall below +5 °C or exceed +30°C during storage and transport. Keep out of direct sunlight!
Pack Size:	5Lit and 15Lit
Clean up:	Water

#### PRECAUTIONS

- Floor temperature must be between 10-30° C.
- Floor moisture content must be between 5 - 15%. A moisture meter is recommended to indicate the environmental conditions and give an indication of curing time of finish.
- 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.
- In hot and dry climates slightly reduce exposure to direct air to prevent rapid and uneven drying.

#### **DIRECTIONS FOR USE:**

The following directions apply to:

- HARD VINYL FLOORS
- INDOOR PRE-COATED CONCRETE FLOORS
- TERRAZZO, UNGLAZED QUARRY TILES, PRE-SEALED SLATE

#### **INITIAL PREPARATION OF FLOORS**

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

*Recommended strippers that can be used are: ERAZER and LAZER SUPER.*

**Note: HY SHIELD is both sealer and a finish, however if desired, in situations where substrate is highly porous, use AQUASEAL as a sealer for a base coat.**

#### **Existing floors**

- Sweep the floor to remove all debris and dirt.
- Using a recommended stripper, thoroughly strip the floor removing ingrained soil, traffic marking and polish accumulation.
- Rinse two or three times with clean warm water.
- Allow the floor to completely dry.
- Dust mop before applying a first coat.

#### **New Floors**

- Deep scrub the floor with Activ SRA diluted 1:20.
- 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.

**Ensure all contaminants are removed; try HY-SHIELD on small area (1m2) 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 substrate age and porosity.

### 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.

## MAINTENANCE

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

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.

#### **REFURBISHMENT**

Replacement of finish may be necessary from time to time in heavily trafficked floor areas. Always remove accumulated floor polish and deep scratches.

Deep scrub the floor with Activ SRA diluted 1:20.

Rinse thoroughly before applying top up coats of HY-SHIELD.

**SAFETY** This material is not classified as hazardous according to criteria of Safe Work Australia.

Avoid contact with skin and eyes. Avoid breathing dust, fume, gas, mist, vapour or spray. Wear overalls, safety shoes, impervious gloves and safety glasses. Use only in well ventilated areas. Wash hands after use. Keep containers closed when not in use