

## CONCRETE & PAVING PROTECTION

### PaveShield

Product base code: PS



#### Product description

Haymes PaveShield® is a quick-drying single-pack, xylene-based penetrating sealer for concrete surfaces. It provides a durable finish that protects the surface from staining. The UV resistant finish is easy to clean and is suitable for high traffic areas, including driveways and garage floors. PaveShield is easy to maintain with recoating a simple process.

#### Key features & benefits

<b>Tough, durable finish</b>	Fantastic resistance to oil staining and hot tyre pickup.
<b>Low maintenance</b>	Repels dirt and mould and suppresses concrete dust.
<b>Rapid drying</b>	Same day recoating.
<b>Rejuvenates</b>	Refreshes old or faded concrete.



INTERIOR & EXTERIOR



PAVESHIELD SOLVENT WASH-UP



COVERAGE UP TO 6m<sup>2</sup>/L



RE-COAT 2 HRS

#### Where to use

Substrates:	Correctly prepared coloured & pain concrete, exposed aggregate, patterned, slate impression, stipple finish & stencilled concrete.
Interior:	Flooring; factories, garages, warehouses.
Exterior:	Car parks, driveways, paths, patios, pavers, pool surrounds, steps, walkways.

#### Product properties

Colour & tint bases	Clear, premixed colours, tintable colours
Gloss level	Satin
Clean-up	PaveShield Solvent
Dry time – touch dry	20 minutes
Dry time - recoat	2 hours
Coverage per litre	Up to 5m <sup>2</sup> /L dependent upon surface porosity, profile and method of application.
Sizes	4 L, 10 L, 20 L
VOC	680 g/L (+/- 5%)
Volume solids	26%
Film build wet	300µm
Film build dry	65µm

## Precautions

- Do NOT apply if the ambient temperature is less than 10°C or greater than 35°C or if conditions will drop below 10°C during the drying period. Under warmer conditions refer to thinning advice.
- Do NOT apply if rain or dew is expected within 3 hours of application.
- All times quoted assume ambient conditions of 25°C and 50% relative humidity. At cooler temperature or higher humidity, drying times will be extended.
- Provide adequate ventilation during application and the drying period.
- Under normal conditions, the coating may require up to seven days curing to develop hardness and properties.
- If more than one can is required for the final coat, mix all cans together prior to commencing.
- Application of PaveShield may increase the potential for slipping. The addition of Haymes Non-Slip additive will provide reduced slip resistance for areas that are prone to become slippery.
- Due to the chemical composition of tyres, contact between tyres and this coating may result in tyre staining. Given the wide variation in tyre composition and age, Haymes Paint makes no warranties as to the performance of the coating and potential tyre staining.
- **Please check the colour for accuracy before application. Haymes Paint accepts no responsibility for the application of incorrect colours.**

## Surface Preparation

**Preparation:** Check the surface is sufficiently cured and then pressure clean surface with water pressure above 2000 psi. All surfaces must be clean, bare, dry and free of wax, grease, oil and other surface contaminants or loose debris. If mould is present, treat the surface with a mould remover to effectively eliminate the mould spores. All traces of mould must be removed prior to painting. Remove oil stains with a concrete degreaser.

Concrete- new	Allow fresh/green concrete to cure for a minimum of 7 days <sup>1</sup> . (For same day sealing, please refer to Haymes Same Day Sealer product data sheet for application instructions). Concrete must be etched or ground to achieve adequate penetration of the coating. If etching use 10% hydrochloric acid thoroughly mixed into clean water. Always add the acid to the water. Pour the etching solution onto the concrete and work into the surface with a stiff broom or brush. Pressure clean the surface thoroughly with clean water and allow to dry. Do NOT allow acid to dry on the surface. It is critical ALL etching debris, dust and loose concrete is removed. Perform a surface porosity test. Clean the surface with a broom or vacuum. Test for particles by pressing tape onto the surface. Remove tape and check for particles. If the tape contains particles, repeat sweeping or vacuuming until the surface is thoroughly clean. Conduct surface moisture checks to ensure the surface is dry and suitable for sealing.
Concrete- uncoated	Conduct a surface porosity test to determine if acid etching is required. If acid etching is required use 10% hydrochloric acid thoroughly mixed into clean water. Always add the acid to the water. Pour the etching solution onto the concrete and work into the surface with a stiff broom or brush. Pressure clean the surface thoroughly with clean water and allow to dry. Do NOT allow acid to dry on the surface. It is critical ALL etching debris, dust and loose concrete is removed. Perform a surface porosity test. Clean the surface with a broom or vacuum. Test for particles by pressing tape onto the surface. Remove tape and check for particles. If the tape contains particles, repeat sweeping or vacuuming until the surface is thoroughly clean. Conduct surface moisture checks to ensure the surface is dry and suitable for sealing.
Concrete- previously coated	Remove any loose or flaking paint by scraping or stripping. Conduct an adhesion test <sup>2</sup> , followed by a compatibility test <sup>3</sup> .
Concrete- pattern or stencilled	Apply directly to a correctly prepared surface.

<sup>1</sup> New concrete thicker than 100mm must be left for an additional week for every 25mm over 100mm.

<sup>2</sup> To check the adhesion of an existing coating, cut an 'X' lightly into the coating and firmly apply adhesive tape across the cut and then remove tape. If the tape removes the existing coating, remove all previous coatings before painting.

<sup>3</sup> Test for compatibility with a previous coating by sanding and cleaning a small inconspicuous area. Apply 1 coat of the desired topcoat and allow to dry. After 24 hours conduct an adhesion test. If the tape removes the coating, remove all previous coatings before painting. It is recommended to conduct the compatibility test in several areas.

## Surface Preparation continued...

Exposed aggregate	Allow the concrete to cure for a minimum of 7 days. Concrete must be etched to achieve adequate penetration of the coating. If etching use 10% hydrochloric acid thoroughly mixed into clean water. Pour the etching solution onto the concrete and work into the surface with a stiff broom or brush. Pressure clean the surface thoroughly with clean water and allow to dry. Do NOT allow acid to dry on the surface. It is critical ALL etching debris, dust and loose concrete is removed. Perform a surface porosity test. Clean the surface with a broom or vacuum. Test for particles by pressing tape onto the surface. Remove tape and check for particles. If the tape contains particles, repeat sweeping or vacuuming until the surface is thoroughly clean. Conduct surface moisture checks to ensure the surface is dry and suitable for sealing.
Concrete- resealing existing PavShield	Once the surface is clean and dry, it is recommended to apply Haymes PavShield Solvent to reactivate existing sealer and achieve improved bonding. Apply liberally, working the solvent into the coating using a roller. Allow 1-2 hours before applying PavShield.

### IMPORTANT INSTRUCTIONS:

**Surface porosity test:** Pour a cup of clean water onto the surface. If the water absorbs into and darkens the surface, it is ready for coating. If the water beads and doesn't readily absorb into the surface, a second and stronger etch is required.

**Surface moisture test:** To check the surface is free from excess moisture place a 300mm x 300mm piece of clear plastic on multiple areas to be coated. Tape down to seal and leave on the surface for at least one hour in direct sunlight. If any condensation under the plastic is visible or the concrete has darkened, the surface requires further time to dry. Repeat the process until no moisture is visible.

## Application

- Stir thoroughly before and during application using a broad flat stirrer.
- On bare surfaces (excluding exposed aggregate), the first coat MUST be thinned to achieve adequate penetration. Add 300ml of clean Haymes PavShield Solvent per litre of sealer and stir thoroughly. Do not thin for subsequent coats.
- To achieve improved slip resistance, the addition of Haymes Non-Slip additive is recommended.
- Apply two coats.
- Application methods;
  - Brush: Use a quality synthetic brush
  - Roller: Smooth trowelled surfaces: 11-12mm nap length.  
Semi-smooth to rough surfaces: 14-18mm nap length.  
Rough surfaces: 20-22mm nap length.

## Thinning

Thinning is only required when applied onto unsealed surfaces, excluding exposed aggregate. On unsealed surfaces thin the first coat, adding 300mL of clean PavShield Solvent per litre of PavShield and stir thoroughly. Do NOT thin for subsequent coats.

## Care and Maintenance

Surfaces can be walked on with bare feet or soft shoes in 2 hours, however, minimise for the first 24 hours. Protect the coating against abrasive contact and do not park vehicles on the coated area for 7 days. Take care walking on wet surfaces, the addition of Haymes Non-Slip Additive is recommended if additional grip is required. Regular cleaning of the surface will assist in removing dirt, dust and contaminants, which will result in a longer coating life.

## Storage

Containers must be secured and stored upright during transit. Protect from extremes of temperature. Store in a cool, dry, well-ventilated place and out of direct sunlight. Check regularly for leaks.

## Safety & First Aid

### SAFETY DIRECTIONS

**WARNING – Flammable Liquid and Vapour.** Keep out of reach of children. Read label before use. Keep away from heat, hot surfaces, open flames and other ignition sources. Exposure via inhalation may cause drowsiness or dizziness. Causes skin irritation and serious eye irritation. Avoid eye contact and repeated or prolonged skin contact and inhalation of any vapour. Wear overalls, safety glasses, impervious gloves and a suitable respirator when mixing and using. Use only in well-ventilated areas. Keep containers tightly closed when not in use.

### FIRST AID Instructions

If affected by inhalation, move to fresh air. If skin or hair contact occurs, remove contaminated clothing and wash with plenty of soap and water. If irritation occurs, seek medical advice. If eye contact occurs, rinse cautiously with water. Remove contact lenses if present and easy to do. Continue rinsing. In all cases of eye contact, it is a sensible precaution to seek medical advice. If swallowed, rinse mouth thoroughly with water. Do NOT induce vomiting. Seek immediate medical advice or call a Poisons Information Centre (Phone 13 11 26).

## Protect our environment

Do NOT pour any leftover product down the drain. Retain in a marked sealed container for future use or disposal via special chemical waste collection programs. Dried empty containers can be recycled and should be disposed of via recycling facilities.

## Manufacturer's comment

This product has been designed as part of an integrated application system. Use with any other manufacturer's product(s) or failing to follow application instructions, could result in detrimental effects on product performance, for which Henry Haymes Pty. Ltd. cannot be held responsible. Further information is available in the form of Safety Data and Product Information Sheets from Haymes Paint [www.haymespaint.com.au](http://www.haymespaint.com.au). We are continually updating materials and methods, so please ensure you have the latest information.

## Disclaimer

Due to the chemical composition of tyres, contact between tyres and this coating may result in tyre staining. It is important to understand the limitations of this coating product for resistance to tyre staining, also known as "paw printing". Given the wide variation in tyre composition and age, Haymes Paint makes no warranties as to the performance of the coating and potential tyre staining and **will not be held liable** for any claims made where tyre staining occurs. You must read the specific product data sheet and fact sheet on tyre staining before commencing application of this product. These documents provide information about the suitability and application of the product for specific purposes. If you require more information or a product with resistance to tyre staining, then you must contact Haymes Service Express who can refer a technical representative for specific recommendations for your project before commencing any work.

The information provided is correct at the time of preparation; however, it is the responsibility of those using this information to check that it is current before specifying, recommending or using product contained in this information. Because use conditions and applicable laws may differ from one location to another and may change with time, those using this information are responsible for determining whether products and the information in this document are appropriate for their use and for ensuring that workplace and disposal practices comply with applicable laws and other government enactments. Haymes Paint assumes no obligation or liability for the information in this document. No express warranties are given except for any applicable written warranties specifically provided by Haymes Paint. All implied warranties including those of merchantability and fitness for a particular purpose are expressly excluded. Document valid unless superseded.

Henry Haymes Pty Ltd  
A.B.N. 14 004 201 638  
Waringa Drive  
Wendouree Industrial Park  
Ballarat Vic 3350  
Free call 1800 033 431

**Date of Preparation**  
**Supersedes**

13/04/2021  
Version with preparation date 28/10/2020.