

AUBE00034 Berger Jet Dry Heavy Duty Gloss

Introduction

Part A
817-LINE, 890-61105

Description and Image

Berger Jet Dry Heavy Duty is a hard wearing, durable gloss interior/exterior paving paint suitable for high traffic areas including garage floors, flat driveways and paths.

Features and Benefits

- Contains some Polyurethane for toughness
- Gloss finish
- Tough wearing and durable finish.
- Attractive and easily cleaned.

Uses

It is ideal for Interior and exterior concrete surfaces, flat driveways, garage and carport floors, timber decking, paths and paved surfaces. Suitable for high UV areas, previously painted surfaces and high traffic areas. Can also be applied to steps, sloping paths and wet areas (e.g. around pools and laundry floors) provided Berger Jet Dry True Grip® is added for slip resistance.

✓ Interior ✓ Exterior

Precautions and Limitations

Do not use product on: Stencilled concrete, patterned sealed concrete, sealed coloured concrete, clear sealed or colour sealed concrete, sloping surfaces, commercial factory areas and heavily stained or badly worn traffic areas impregnated with rubber, plastic or leather, or where the aggregate is showing through the surface.

All preparation and painting must conform to AS2311: The Painting of Buildings.

Under cooler conditions allow longer drying times. Temperature must be above 10°C during application and drying.

Test coat a small area to establish suitability for recoat. If the existing paint bubbles and/or wrinkles, remove the paint, clean, acid etch, then apply the new paint.

Pathways etc. may be slippery to walk on when wet. The incorporation of Berger Jet Dry True Grip will help reduce the slipperiness. Addition of Berger Jet Dry True Grip Clear Slip is recommended to be added to the Berger Jet Dry Heavy Duty when used on sloping surfaces. Add Berger Jet Dry True Grip Clear, according to the directions on the packet, to the second coat of wet paint. A wash coat of Berger Jet Dry Heavy Duty (2 parts of mineral turpentine or enamel thinner added to 1 part paint) is then applied to even out the colour and to bind in the Berger Jet Dry True Grip Clear.

Surfaces greater than a slope of 1:8 (1 high and 8 long) are not recommended for coating, even with the addition of Berger Jet Dry True Grip Clear. Seek professional advice or call Berger on 132525 for recommendations on how to coat surfaces with a slope of greater than 1:8.

Do not mix Berger Jet Dry Heavy Duty with other paints.

Berger Jet Dry Heavy Duty is not suitable to be over-coated with other solvent based or water based coatings.

Water blasting is not recommended on finished painted surfaces.

Allow a minimum 48 hrs drying time after application of final coat before subjecting the painted surface to normal pedestrian traffic. Motor vehicles should be left off the surface for a minimum of 7 days.

Water blasting is not recommended on finished painted surfaces. The life of a painted concrete surface will depend on the condition of the concrete prior to painting and the level of surface usage.

Note - Some surfaces will require painting more frequently than others.

The life of a painted concrete surface will depend on the condition of the concrete prior to painting and the level of surface usage. Proper surface preparation is essential when coating concrete (See below under surface preparation)

Note - Some surfaces will require painting more frequently than others.

Berger Jet Dry Heavy Duty is ideal for Interior and exterior concrete surfaces, flat driveways, garage and carport floors, paths and paved surfaces. It can be used in high UV areas, previously painted surfaces and high traffic areas. In high UV areas more frequent reapplication may be necessary. It can also be applied to steps and wet areas (e.g. around pools and laundry floors) provided BERGER Jet Dry True Grip Clear is added

to provide slip resistance.

Do not use "Low Odour" Mineral Turpentine or White Spirits to dilute Berger Jet Dry Heavy Duty as these solvents are poor solvents for the resin in the product. Always use a good quality Mineral Turpentine or Enamel Thinners. Pure Gum Turpentine can also be used.

If the surface has been previously coated, or you are unsure if it has been previously coated, you can take the following steps to determine if it is suitable to be coated with Berger Jet Dry Heavy Duty. This procedure applies also to understanding the nature of clear sealer systems that may have been applied to the concrete, concrete pavers, timber and exposed aggregate.

Step 1: Place a 10cm square piece of cotton cloth on surface. Pour xylene onto the cotton until saturated. Cover with a sheet of plastic (cling film). Wait 30 minutes. Remove plastic and cloth and observe the surface.

Observations and how to determine the nature of an original coloured coating

Observation 1: If coating wrinkles

The coating is potentially suitable to coat with BERGER Jet Dry Heavy Duty. Confirm by painting on a small inconspicuous area to establish suitability for recoat. If the existing paint bubbles and/or wrinkles, remove the paint, acid etch, then apply.

Observation 2: If coating is partially or fully dissolves

Coating is most likely an acrylic resin system

If coating softens or becomes sticky. The coating is a water based acrylic.

Use Berger Jet Dry Aquatread to freshen the surface.

If coating completely dissolves and you can wipe back to the bare surface easily. Coating is a solvent based acrylic.

Use a suitable Parchem Avista product to freshen the coating

Observation 3: If there is no reaction

The coating is most likely an epoxy or urethane.

We recommend you seek professional assistance as recoating these materials needs specialist preparation

Observations and how to determine the nature of an original clear coating

Observation 1: If coating is partially or fully dissolved:

Original coating is most likely an acrylic

If the coating completely dissolves and you can wipe back to the bare surface easily. Original Coating is a solvent based acrylic.

Berger Jet Dry Heavy Duty is not suitable. - Use a suitable Parchem Avista product to freshen the coating

If coating softens or becomes sticky Original Coating is a water based acrylic.

Berger Jet Dry Heavy Duty is not suitable -- USE Berger Jet Dry Aquatread

Observation 2: If there is no reaction

Original coating is either a mineral silicate or a silane or the surface is not coated.

To establish correct surface condition allow the surface to completely dry then perform a Water Beading Test – (See below under surface preparation.)

If water beads


The coating is most likely a silane treatment – Use Dulux Aquaban to freshen the surface and provide improved water beading performance.

If water absorbs slowly into the surface

The coating is most likely a mineral silicate. - Apply Berger Jet Dry Stone & Paving Sealer Natural

Performance Guide

Weather Very good resistance to exterior exposure.	Salt Resists salt spray.
Heat Resistance Up to 120°C. Prolonged exposure to 120°C will cause embrittlement.	Water Resists prolonged rain and water splash.
Solvent Resists alcohols and hydrocarbons. Film is liable to attack from other strong solvents.	Abrasion Good resistance to abrasion.
Acid NA	Alkali NA

Typical Properties			
Gloss Level Full gloss.	Thinner Mineral Turpentine or Enamel Thinner		
Colour Extra Deep Tone base and three premixed colours: Evening Stone, Deep Charcoal and Smoke Grey			
Components 1	Number of Coats 2		
Toxicity Lead free. Dry film is non-toxic and conforms to AS1647, Part 3.	V.O.C. Level < 405g/L untinted		
Shelf Life > 4 years in unopened properly stored containers			
Sanding Properties Sandable once cured (After 7 days)	Mixing Ratio 1 component		
Pot Life N/A - single component air drying	Touch Dry 4 Hours		
Clean Up  Thinner			
Clean Up Description Clean all equipment with mineral turpentine or Enamel Thinner.			
Application Methods  Air Spray  Airless Spray  Brush  Roller			
Application Conditions	Solids by Volume		
	<input type="text" value="49"/>		
	Min	Max	Recommended
Wet Film Per Coat (microns)	<input type="text" value="82"/>	<input type="text" value="82"/>	<input type="text" value="82"/>
Dry Film Per Coat (microns)	<input type="text" value="40"/>	<input type="text" value="40"/>	<input type="text" value="40"/>
Recoat Time (min/hours)	<input type="text" value="16 Hours"/>	<input type="text" value="Indefinite"/>	<input type="text"/>
Theoretical Spread Rate (m ² /L)	<input type="text" value="12.3"/>	<input type="text" value="14"/>	<input type="text" value="12.3"/>

Application Guide

Surface Preparation

Due to the variable nature of concrete surfaces some concrete may not be suitable for painting (e.g. underbound, smooth trowelled or glossy concrete). All bare concrete should be tested for suitability prior to application of Berger Jet Dry. A simple WATER BEAD TEST will determine if the surface is sufficiently porous to allow adequate penetration of the product. This is indicated when water drops absorb into the surface, instead of beading on the surface. If beading occurs, then the concrete will require a repeat of the cleaning and etching process. Repeat the etching process until the surface feels like 180 grit sandpaper. This will vary depending on the concrete.

To clean the concrete use Berger Jet Dry Active Clean and to acid etch, use Berger Jet Dry Active Etch as per directions on the pack in the manner listed below.

1. Clean the entire area using a 1400psi (or higher) capable High Pressure Water Cleaner installed with high intensity tip.
2. Apply Berger Jet Dry Active Clean to the entire area to be coated and scrub in using a small hard bristle broom
3. Apply neat BERGER Jet Dry Active Clean to areas affected by oil spotting and scrub in using a small hard bristle broom.
4. Pressure Wash clean focussing particularly on the oily areas to remove the oil and then clean the entire area of all traces of BERGER Jet Dry Active Clean.
5. Mix Berger Jet Dry Active Etch according to the directions on the pack and apply to the entire cleaned concrete area and scrub in with a small hard bristle broom.

NB: There is an amount of SO₂ evolved and this may be detected by the user.

Apply liberally to the concrete and begin scrubbing with a stiff broom. CARE MUST BE TAKEN - Avoid contact with eyes and skin. Wear goggles, gloves and cover all areas of the skin. If contact is made with the skin, wash immediately with water.

Allow 15 minutes for the acid mix to react on concrete surface before rinsing off with high pressure water cleaner- it is important all the acid is completely removed from the surface. Repeat treatment as necessary, until the surface is clean and has a rough feel (like sandpaper). This will vary depending on the concrete.

Allow to dry thoroughly before painting. Perform a DRY TEST prior to coating. See below for DRY TEST Instructions

New concrete: New concrete surfaces must be allowed to cure for at least 12 weeks before etching and painting. Longer curing times may be required depending on environmental conditions and the thickness of the concrete.

New timber: Remove any greying timber by sanding. Apply 1 coat of an acrylic timber primer.

Aged, unpainted, or worn concrete: Remove poorly bound or powdery concrete with a High Pressure Water Cleaner or a wire brush before etching and painting. Diamond grinding can be considered in cases where the concrete surface is particularly weakly bound.

Stained concrete: Lightly stained areas (car oil, grease etc) should be cleaned using Berger Jet Dry Active Clean.

Previously painted surfaces: Ensure previously painted surface is sound by cutting a small X through the existing paint with a sharp blade, press cellulose tape firmly across the cut, then rip off the tape. Repeat at random in a number of areas to test the surface. If the old paint comes off, it is unsound and should be completely removed. All sound gloss, and semi-gloss paint surfaces, need to be sanded to a matt finish and thoroughly cleaned in order to provide good adhesion. Then apply 2 coats of Berger Jet Dry Heavy Duty. All surfaces where the paint has been removed must be thoroughly cleaned and treated as per instructions for bare concrete.

For pre-painted timber surfaces any exposed greying timber should be removed by sanding and spot primed with a suitable acrylic timber primer. Then apply 2 coats of Berger Jet Dry Heavy Duty.

Non Slip Alternative: To improve slip resistance as surfaces may be slippery to walk on when wet, add Berger Jet Dry True Grip to the paint prior to application. For steps and wet areas (e.g. around pools and laundry floors) Berger True Grip must be added to Berger Jet Dry Heavy Duty. Refer to Berger Jet Dry True Grip pack for instructions.

Dry test: Berger Jet Dry Concrete Coatings

When coating Concrete flooring or paving, it is important to ensure that the concrete is dry before commencing application of any top coat, whether this be a water based or solvent based primer or top coat (coating).

In the application of either water based or solvent based coating, water in the concrete substrate can potentially reduce the long term performance of the coating through dilution of the coating (in water based systems) or by rejection of the coating (in solvent based systems)

This is especially important to understand in light of the fact that most preparation systems for the DIY market involve the use of water. Most preparation is conducted with the use of water based cleaning systems followed by acid etching. In both cases there is significant water applied to the concrete as part of the rinsing process.

Some of this water will penetrate into the concrete and will rise and evaporate over time.

Test:

To ensure that any concrete pavement or paver area is suitably dry for coating we need to perform a simple test to determine the state of dry.

To perform this test you need some simple materials.

- 1: Roll of masking Tape
- 2: Kitchen Clear Plastic wrap - suitable for food wrapping - "Glad Wrap"

Locate an area of the concrete in a shaded location. Take a piece of plastic wrap approximately 300mm X 300mm and place it over the shaded area of concrete, tape the edges, and leave for 2 hours. (For larger areas - greater than 100 square meters - it is advisable to perform this test at a couple of locations, well apart from each other.)

After 2 hours remove the plastic wrap. If there is no moisture on either the concrete or plastic film surface, the concrete is sufficiently dry for sealing.

Application Procedure and Equipment

Brush, roller, conventional or airless spray.

Stir thoroughly before use with a broad, flat paddle. Ensure surface has been thoroughly prepared following preparation instructions above. Once the area is clean and dry apply 2 coats of Berger Jet Dry Heavy Duty to the surface.

It is recommended to thin the first coat of Berger Jet Dry Heavy Duty with up to 10% by volume of Mineral Turpentine to aid penetration.

Apply using either a brush, roller or spray gun. Air and surface temperature must be above 10°C and below 30°C during application and drying.

Health and Safety

SDS Number 817 - Line Australia - DLXGHCEN000665	SDS Link View SDS Link
SDS Number 817 - Line New Zealand - DLXNZLEN000665	SDS Link
SDS Number 890- Line Australia - DLXGHCEN001752	SDS Link
SDS Number 890 - Line New Zealand - DLXNZLEN001752	SDS Link

Using Safety Precautions

CONTAINS: 30 - 60% LIQUID HYDROCARBONS

<1% METHYL ETHYL KETOXIME

Flammable liquid and vapour. May cause an allergic skin reaction. May cause drowsiness or dizziness. Keep out of reach of children. Read the label before opening or using. Keep away from all sources of ignition - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting and all other equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist, vapours or spray. Use only outdoors or in a well-ventilated area. Wear protective clothing, gloves, eye/face protection and suitable respirator as required. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use. Store locked up. Store in a well ventilated place and away from oxidising agents and foodstuffs. Keep cool. Do not empty into drains.

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Transport and Storage

Pack A 817-LINE or 890-Line	
Size: <input type="text" value="4 Litre, 10 Litre"/>	Weight: <input type="text" value="5.3 Kg, 13.3 Kg"/>
Flash Point >23C	UN Number 1263
Dangerous Goods Class 3	Package Group III

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The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

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WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS 4361 Parts 1 and 2 and Worksafe Australia guidelines.