

DATASHEET

Taubmans TAUBMANS PURE PERFORMANCE WATER BASED EPOXY SATIN ASN35 LIGHT GREY

TAUBMANS

Product Code:
Part A 279AN35
Part B 279BHRD



TAUBMANS PURE PERFORMANCE WATER BASED EPOXY SATIN ASN35 LIGHT GREY

Taubmans Pure Performance Water Based Epoxy Two Pack is pre-tinted in the popular ASN35 Light Grey colour. Water Based Epoxy is a self-priming high performing two pack water based epoxy designed to give an excellent protective finish to new and old concrete. Water Based Epoxy can be used in factories, educational facilities, and garage floors due to excellent alkali, chemical and mar resistance* and surface hardness.

With Microban anti-microbial technology incorporated into the coating, Taubmans Pure Performance Water Based Epoxy is also suitable for high humidity areas and where an added level of protection and cleanliness is needed for your peace of mind.



USES

New and old interior concrete floors.

Areas of grease, oil or dirt need to be cleaned by washing with mild detergent or with a suitable solvent. Power stir Part A and Part B separately for at least 2 minutes each. Add parts A & B together (1:1 ratio by volume) and power stir for at least 2 minutes at a high speed without causing excess foaming.

Improper mixing could result in areas of patchy gloss, poor adhesion, poor hardness and poor visual appearance

FEATURES AND BENEFITS

EASY TO USE	Can be applied via brush, roller or airless spray.
ENVIRONMENTALLY FRIENDLY	Low VOC water based coating.
FAST DRYING	Assist project completion timelines with fast drying properties
FINISH	Satin depending on surface and application method
GOOD SURFACE PENETRATION	Low viscosity allows deep penetration into porous surfaces for improved adhesion.

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LOW VOC PRODUCT	Compared to traditional two pack epoxys, Pure Performance Water Based Epoxy is low VOC and meets GBCA's low VOC requirements
LOW ODOUR	Compared to traditional two pack epoxys, Pure Performance Water Based Epoxy is low odour.
MICROBAN	Microban anti-microbial technology is incorporated into the coating during production. Water Based Epoxy is suitable for high humidity areas and on concrete floors where an added level of cleanliness protection is needed for your peace of mind as it helps prevent the growth of mould and mildew.
MOISTURE RESISTANCE	Reduces the risk of water ingress, and provides greater substrate protection
NO PRIMER REQUIRED	Primer is not required with Water Based Epoxy. For bare concrete, thin down the product by up to 20% with clean water for the first coat to aid penetration followed by two non-thinned coats.
PACKAGING	Once Part A and B are mixed together in the Part A packaging, there will be space for additional water if needed. This needs to be further mixed for at least one minute.
SCRUB RESISTANCE	Provides a tough and durable abrasion-resistant floor coating
SUITABLE FOR ALL CONCRETE SURFACES	Suitable for bare concrete and previously painted concrete floors when properly prepared.
WATER BASED FORMULA	Easy clean up with water
DURABLE (CONCRETE FLOORS)	Durable formulation designed for use on concrete floors such as in garages. Resists hot tyre pick up.

PRODUCT SPECIFICATIONS

VOC LEVELS	30 g/litre
8L AVAILABLE COMBINED SIZES	When 4L Part A & 4L Part B are combined
16L AVAILABLE COMBINED SIZES	When 8L Part A & 2 x 4L Part B are combined
APPEARANCE	<ul style="list-style-type: none"> Leaves a smooth, flat, light-grey satin finish. This product is pre-tinted to ASN35
CLEAN UP	<p>Clean up tools with clean fresh water.</p> <p>Do not allow the mixed paint parts to remain in hoses, gun or spray equipment. Flush application tools immediately and thoroughly after use with water to help prevent blockages. Once the base and hardener have been mixed together they should not be resealed.</p> <p>After mixing and a prolonged break, it is recommended to recommence work with freshly mixed paint.</p>
DRY FILM THICKNESS	<ul style="list-style-type: none"> 40 - 60 microns Can be built up to 170 microns
DRY TIMES: RECOAT	<ul style="list-style-type: none"> 4 hours to 7 days After 7 days the surface must be abraded to achieve sufficient adhesion of further topcoats
DRY TIMES: TOUCH DRY	<ul style="list-style-type: none"> 10oC: 6-8 hours 25oC: 3-5 hours
POT LIFE	<ul style="list-style-type: none"> Pot life is 1 hour at 25oC. Only mix enough product to apply in this timeframe. Do not use the product after this time, even if it seems ok, as it could cause gloss inconsistency and performance failure.
SIZES AVAILABLE	<ul style="list-style-type: none"> Part A Base: 4L and 8L Part B Hardener: 4L

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SLIP RESISTANCE

Slip Check to AS 4586-2013

AS 4586-2013 Appendix A

(Wet Pendulum Test)

P5 - White Knight Ultra Pave® Topcoat Grip Additive in Primer and Topcoat at 20grams/L

P5 - White Knight Ultra Pave® Topcoat Grip Additive in Final Coat at 40grams/L

AS 4586-2013 Appendix D

(Oil-Wet Inclining Platform Test)

R12 - White Knight Ultra Pave® Topcoat Grip Additive in Primer and Topcoat at 20grams/L

R12 - White Knight Ultra Pave® Topcoat Grip Additive in Final Coat at 40grams/L

SPREAD RATE

• 6-10m² p/ltr

SURFACE PREPARATION

CLEANING

Areas of grease, oil or dirt need to be cleaned by washing with mild detergent or with a suitable solvent such as methylated spirits.

PREPARATION

Ensure humidity is below 80%. Above this, as the water evaporates the sheen level and mar resistance is reduced.

PREVIOUSLY PAINTED CONCRETE

Areas of grease, oil or dirt need to be cleaned by washing with mild detergent or with a suitable solvent. To get a uniform surface profile, use power tool cleaning, diamond grinding, or abrasive blast cleaning. Thorough removal of dust is required by vacuum cleaning. Ensure existing sealers or curing compounds have been removed. If abrasive cleaning exposes areas of bare concrete, refer to concrete preparation below.

ROUGH CONCRETE (NEW, OLD OR BARE)

For new concrete, allow to cure for a minimum of 28 days with a moisture content of below 5.5%.

Areas of concrete with grease, oil or dirt need to be cleaned by washing with mild detergent or with a suitable solvent.

To get a uniform surface profile, use acid etching, power tool cleaning, diamond grinding, or abrasive blast cleaning. Acid etch is only suitable for areas free of excessive oil or contaminant.

Thin down product by up to 20% with clean water for the first coat to aid penetration followed by two non-thinned coats.

APPLICATION

BRUSH, ROLLER, SPRAY

Pure Performance Water Based Epoxy can be brush, rolled, or sprayed as required.

BRUSH & ROLLER

- Apply first coat of the mixed epoxy using a good quality brush or floor roller. Stir paint continuously during application if non-slip additive is added to the mix to increase slip resistance.
- Once first coat has dried, the second coat can then be applied. Mixing and application procedures remain the same for subsequent coats. Depending on the absorption rate of the concrete, extra coats may be required to produce the desired finish.

SPRAY

- For spray application use a airless sprayer. Do not over thin this product (maximum 20% dilution).
- Use a 17-21 thousand spray tip at 2000 psi.

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CONCRETE	<ul style="list-style-type: none"> • For new concrete, allow to cure for a minimum of 28 days with a moisture content of below 5.5%. • Areas of grease, oil or dirt need to be cleaned by washing with mild detergent or with a suitable solvent • To get a uniform surface profile, use acid etching, power tool cleaning, diamond grinding, or abrasive blast cleaning. Acid etch is only suitable for areas free of excessive oil or contaminant. • Thin down product by up to 20% with clean water for the first coat to aid penetration, followed by two non-thinned coats.
DRILL STIRRING	<ul style="list-style-type: none"> • Power stir Part A and Part B separately for at least 2 minutes each. • Add parts A & B together (1:1 ratio by volume) and power stir for at least 2 minutes at a high speed without causing excess foaming. <p>Improper mixing could result in areas of patchy gloss, poor adhesion, poor hardness and poor visual appearance.</p>
EXTERNAL	Can be used externally when overcoated with a suitable two part polyurethane coating. It is recommended to tint this to the same colour for maximum weather and solar resistance.
PRECAUTIONS	<ul style="list-style-type: none"> • Improper mixing could result in areas of patchy gloss, poor adhesion, poor hardness and poor visual appearance • Do not paint if the temperature is below 10oC or above 35oC, or if the humidity is above 80% as this will affect sheen level and mar resistance. Minimum surface temperature should be at least 3°C above dew point. • Ensure sufficient air movement/ventilation during application and curing to assist curing. Poor ventilation increases humidity which can reduce sheen level and mar resistance. • Concrete should be minimum 25MPa compressive and 1.5mpa in pull off tensile value • Ensure existing sealers or curing compounds have been removed, and an absorbent concrete substrate is achieved.
PREVIOUSLY COATED	<ul style="list-style-type: none"> • Areas of grease, oil or dirt need to be cleaned by washing with mild detergent or with a suitable solvent • To get a uniform surface profile, use power tool cleaning, diamond grinding, or abrasive blast cleaning. Thorough removal of dust is required by vacuum cleaning. • If abrasive cleaning exposes areas of bare concrete, refer to concrete preparation above.

PRECAUTIONS

ENVIRONMENT INFORMATION	Do not pour leftover paint down the drain. Dispose of contents and container in accordance with all local, regional, national and international regulations. For responsible disposal of paint and packaging visit paintback.com.au
FIRST AID INFORMATION	<p>IF SWALLOWED - Do NOT induce vomiting. Seek medical advice immediately.</p> <p>EYE CONTACT - Flush with plenty of water. Always seek medical advice.</p> <p>SKIN CONTACT - Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water.</p> <p>INHALATION - Remove to fresh air, seek medical advice if breathing is laboured.</p> <p>AUSTRALIA - 24 hour Medical Emergency Response Service: 1800 883 254 Taubmans Customer Service: 131 686 Further information: www.taubmans.com.au</p>
HUMIDITY	Ensure humidity is below 80%. Above this, as the water evaporates the sheen level and mar resistance is reduced.
MIXING	<ul style="list-style-type: none"> • Power stir Part A and Part B separately for at least 2 minutes each. • Add parts A & B together (1:1 ratio by volume) and power stir for at least 2 minutes at a high speed without causing excess foaming. • Improper mixing could result in areas of patchy gloss, poor adhesion, poor hardness and poor visual appearance. • Part A Base packaging contains extra space so when the epoxy is combined there is room for power mixing, and adding water if needed, without needing to decant into a larger container.
SLIP RESISTANCE	If this product is used for stairs, ramps, areas prone to moisture pooling or other areas that require slip resistance add in White Knight Ultra Pave® Topcoat Grip Additive as per above instructions (PRODUCT SPECIFICATIONS)
TYRE STAINING	Due to the varying chemical used in the composition of tyres, contact between tyres and this epoxy may result in tyre staining on the floor. Taubmans do not provide warranties regarding coating performance or potential tyre staining or hot tyre pickup.

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HOT TYRE PICKUP

If a vehicle is parked with very hot tyres on a still curing epoxy, or where the epoxy is not fully penetrated into the floor, it may cause the tyres to lift or peel up the coating. Taubmans do not provide warranties regarding coating performance or potential hot tyre pickup.

PRODUCT DESCRIPTION

CHEMICAL RESISTANT

- Excellent alkali resistance
- Fair/good acid resistance

CURING

- 10oC: cured for light traffic after 48 hours, full cure at 7 days
- 25oC: cured for light traffic after 24 hours, full cure at 7 days

Light traffic for Pure Performance Water Based Epoxy is defined at walking only, full cure is for vehicles and standard use

VERSION

VERSION DATE

03 September 2024

VERSION NUMBER

2.2

DISCLAIMER

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