

PRODUCT INFORMATION DATA SHEET



UNI-GUARD HEAVY DUTY TOPCOAT

DESCRIPTION / USE:

Uni-Guard Heavy Duty Topcoat is a specialised two component low VOC water-borne iso-polyurethane coating designed for application over Uni-Guard primers and for use on concrete and other substrates. Uni-Guard Heavy Duty Topcoat has superior abrasion and stain resistance with good wet and hot tyre resistance. Uni-Guard Heavy Duty Topcoat can be used as an aliphatic clear topcoat for vinyl flake, coloured granite or sand, grind and seal and other fast return to service applications including food preparation areas.

Uni-Guard Heavy Duty Topcoat is available in a P5 rated and certified anti-slip formulation.

P5 slip rating achieved in laboratory conditions, results may vary based on specific application conditions.

AREAS OF USE:

Designed to be used for interior and exterior applications such as pedestrian pathways, car parks, line marking, back of house general top coat for epoxies. Uni-Guard Heavy Duty Topcoat is suitable for medium traffic vehicle applications such as car parks and garage floors.

Uni-Guard coatings should only be applied by approved applicators.

SPECIAL FEATURES:

- Ease of application and very quick drying
- Cold temperature cure profile
- Satin / semi-gloss finish
- Excellent flow and self-levelling properties
- Non-flammable / Low VOC water-base coating less than 60g per litre
- Excellent UV resistance *Aliphatic* formulation
- Very Good solvent and chemical resistance
- Good tyre staining resistance
- Clean up with water
- Good dirt and stain resistance

MIXING & THINNING:

Ready for use – thin up to 10% for spray applications.

Add full contents of Part B and power mix.

***(Anti-Slip)** Add full contents of bag and power mix. Add full contents of Part B and power mix.

If additional thinning is required, add water before any other components.

***For Anti-Slip application, contact Boja or approved applicator.**

METHOD OF APPLICATION:

Optimum performance is achieved when used in conjunction with Uni-Guard H20 primer or Uni-Guard HS Primer.

Brush, roller, squeegee or conventional and airless spray.

Do not apply if air temperature is below 0°C or above 35°C. Do not apply if the substrate temperature is 2°C or less as curing will be retarded.

Do not apply if rain is expected or in extremely high humidity, greater than 85% R.H. Curing rates can be affected during these conditions.

COLOUR AVAILABILITY:

Clear. For colours refer to Uni-Guard Standard Colour Card.

AS2700 colours - *MTO (made to order, minimum order quantity may apply for colours not included in colour card)*

***** Universal Colourant or Tinter are NOT suitable to use with this product *****

TOUCH DRY:

40 mins @25°C 50% RH

RE-COAT TIME:

After 1-3 hours @ 25°C.

COVERAGE:

8 m² / Lt

Recommend minimum 2 coats;

Anti-slip application

Standard Option 1: MTO Uni-Guard P5 Anti-Slip Additive

Heavy Duty Option 2: Broadcast /sprinkle 36g Aluminium Oxide into second coat and apply third seal coat.

Refer to Boja Specialised Coatings for assistance or advice on Anti-Slip applications.

SHELF LIFE:

12 months at 25°C.

CLEAN / WASH UP:

Water.

HEALTH & SAFETY:

- Refer to MSDS prior to use
- Keep out of reach of children
- PPE
- Ensure good ventilation if using indoors
- Store in a cool dry place

FIRST AID:

Eye Contact – rinse with cold running water for 10 to 15 minutes. Seek medical attention if irritation persists.

If Swallowed – drink large amounts of water and seek medical attention.

SURFACE PREPARATION:

Ensure the substrate to be coated is clean and dry prior to application. Remove all surface contaminants by washing with bio degradable degreaser, followed by clean water rinse and allow to dry. Special attention must be applied to silicone, grease, oil wax, lubricants and paint over spray. Check for compatibility before applying over other coatings.

Do not apply over surface curing agents or bond breakers.

Mechanical preparation in accordance to CSP3.

Green concrete; Allow 28 days for concrete to fully cure, if coating is required before this period contact Boja Specialised Coating representative. Mechanical preparation as bellow.

Aged concrete; Mechanical preparation such as grinding, shot blast is recommended, alternatively substrate can be roughened and profiled using high pressure water blast or 30/60 mesh grit blast.

Surface profile should achieve between 40-70 micron as per AS 1627.4.

Any abrasive blast cleaning shall be carried out in accordance with OH&S and Environmental regulations.

Boja Specialised coatings recommend an adhesion test in accordance to AS1580.408.02

ENVIRONMENT:

Do not tip unused products or waste down drains.

Dispose of waste using authorised collection procedures.

DISPOSAL:

During clean up after use, ensure that any chemicals do not flow to gutters or drains as it may contaminate waterways. Do not reuse empty can. Container can be recycled. Check with your local authorities or waste management office for more information related to the disposal of this container.

PHYSICAL TEST PROPERTIES:

PROPERTIES	UNI-GUARD HEAVY DUTY TOPCOAT
Components	Two
Mix Ratio 4 Part A : 1 Part B.	Part A. 8 Litre : Part B 2 Litre.
Density kg / Lt	1.0 to 1.3 depending on colour
WFT	200µm per coat
Coverage	8 m2 / Lt / coat – Minimum 2 coats
Touch Dry	40 mins @ 25°C
Recoat	1-3 Hours
Full Cure	72 Hours

IMPORTANT:

- **Always** apply a test patch to ensure coating is not removable under expecting surrounding conditions prior to full application.

PACKAGING & SHELF LIFE:

10 Litre kit.

11 Litre. (1 litre Colour Pack) (Y14 Golden/Safety Yellow 2 Litre Colour Pack)

12 months if stored in original sealed container away from direct sunlight in a cool environment.

Disclaimer: Due to no direct control over application of its products, Boja Specialised Coatings advise any recommendation or information is provided based on technical information outlined during specification period. Boja Specialised Coatings does not accept responsibility or liability arising from the use of its products whether or not in accordance with any advice, information, recommendation, specification or service. Boja products are intended to be used by qualified and trained applicators only.