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TECHNICAL DATA SHEET

SPARTACOTE

PRODUCT DATA SHEET

Type of Material: Polyaspartic Aliphactic Polyurea
Recommended Dry Film Thickness: 0.5-1.5mm
Shelf Life: 12 months unopened
Pot Life: 25-30 minutes
Minimum Re-coat 1 hour, minimum
Light Foot Traffic: 1-2 hours minimum
Maximum Re-coat: 48 hours
Mixing Ratio: 1.0 Part A; 1.0 Part B
Tensile Strength: ASTM D 638; 4500 to 5000 Psi
Impact Resistance: Direct/Reverse 160/160

Common Uses

- ***High performance industrial maintenance coating for use over concrete or steel***
- ***Multi-Coat high traffic commercial and industrial solid colour concrete flooring system consisting of multiple pigmented coats and clear top coats***
- ***Multi-Coat residential garage floor coating consisting of multi-build simulated granite paint chip or quartz flooring systems***
- ***Clear sealer or finish coating over decorative concrete surfaces. Includes acid stained and semi polished concrete, polymer modified overlays and stamped concrete.***
- ***UV resistant sealer for exterior applications***

Typical Users

- Hospital and medical facilities.
- Industrial manufacturing facilities.
- Warehousing and storage facilities.
- Automotive industry.
- Aircraft industry.
- Residential Industry
- Commercial and retail industry

Features and Benefits

- Excellent penetration and bond strength
- Self-Priming
- Excellent abrasion, impact & wear resistance
- UV-Resistant: retains optical clarity of clear sealer/finish
- Short re-coat time 1-2 hours
- Low temperature cure -34'C
- Excellent chemical and stain resistance
- Resistant to hot tire pick up
- Micro-Media agents can be introduced as traction additives
- VOC Compliant

Surface Preparation

Always mechanically prepare (profile) surface. An open, porous surface is necessary for primer bonding. The surface must be deemed structurally and mechanically sound, clean, and dry. Proper surface preparation is required for decorative-concrete, thin-film "Class-A-type" flooring systems or sealer/finish coatings. This is best achieved with mechanical grinding machines using diamond heads achieving a final 30 to 100-grit profile. Recommended surface profile is a CSP-2, Reference ICRI Technical Guideline No. 03732.
Surfaces to be coated must be free of previous coatings, sealers, grease and any other contaminants that may impede adhesion. Always check the surface for any bond inhibitors prior to application. Do not use Alcohol to clean or tack substrate or previous coat prior to application. Any repairs must be addressed prior to application and should be repaired in accordance with ICRI standards.
A moisture emission measurement system is necessary to asses the moisture drive of a concrete slab prior to installation of any toppings or coatings. The transmission rate must not exceed three pounds per 1,000 square feet per 24 hours. The relative humidity of the slab must not exceed 75%.

Caution

1. Before application of ***Robex*** materials refer to safety and handling instructions on product containers.
2. ***Robex*** materials have a characteristics odour during application which is **non-toxic** and non injurious to health. Adequate ventilation is recommended and all foodstuff in the immediate vicinity of the application area should be either removed or properly covered.
3. ***Robex*** materials are inflammable during application. Smoking and exposure to naked flames are not permitted.

Mixing

Note:
Maintaining a consistent storage temperature prior to application will maximize working time. Material should be kept in a cool dry place prior to application.
Pigmented Coatings:
Add full contents of aspartic resin tint pack directly into short filled Part A Tint Base. Mix pigment into Part A with a slow speed drill mixer for 2 minutes to fully disperse the resin pigments. Failure to properly mix pigments may lead to an inconsistent finish and reduced product performance.
Mixing Part A with Part B:
Mix part A and part B in equal parts (1:1) using a clean, dry working vessel. Stir gently with a wooden stir stick, avoid over-mixing or creating a vortex that would introduce air. Do not mix below the dew point, which will shorten the pot life. No induction time is required prior to use. If micro-media agents are to be incorporated, they are to be added after thoroughly mixing A and B.

Material Properties

Type: (ASTM C-1028)	Polyaspartic Aliphatic Polyurea
Percent Solids by Weight:	72%
Viscosity:	part A: 32 cps part B: 208 cps
Shelf Life:	12 months
Pot Life:	20-25 minutes
Light Foot Traffic:	2-4 hours
Heavy-Traffic:	24 hours
Full Chemical Cure:	7-days
Minimum re-coat:	1-hour
Maximum re-coat:	36 hours
Mixing Ratio:	1:1 by volume
Recommended Thickness:	0.5-1.5mm DFT

TECHNICAL SERVICE

Contact ***Robex*** S.A. (Pty) Ltd.

GUARANTEE

Robex S.A. (Pty) Ltd warrant all goods to be free from defects and will replace materials proven to be defective but make no warranty as to appearance of colour.
The information and recommendations herein are believed by ***Robex*** S.A. (Pty) Ltd to be accurate and reliable.