

PRODUCT DATA SHEET

SPARTA-FLEX® XT™ BY HP SPARTACOTE®
92% SOLIDS



US Patents: 6,833,424 & 7,169,876

PRODUCT DATA

Type of Material: Polyaspartic Aliphatic Polyurea

Recommended Dry Film Thickness: 4 to 8 mils per coat

Shelf Life: 12 months unopened. Store at 40°F to 75°F in a covered area (out of the sun)

Pot Life:* 10 to 15 minutes

Minimum Re-coat:* 1-Hour, minimum

Light Foot Traffic:* 1 to 2 hours minimum

Maximum Re-coat:* 24 hours (contact manufacturer)

Mixing Ratio:* 1.0 part A; 1.0 part B by volume

Tensile Strength: ASTM D 638: 4,500 to 5,000 psi

Impact Resistance: Direct/Reverse 160/160

Falling Sand Abrasion Resistance ASTM D 968:

Clear.....30 liters sand/1 dry mil

Pigmented.....38 liters sand/1 dry mil

Mandrel Bend, ASTM D 522:

Passes, no cracking, 1/8" mandrel bend

GENERAL INFORMATION

Sparta-Flex® XT™ is an ultra low VOC fast-curing two-part polyaspartic aliphatic polyurea sealer/finish coating for protective applications. Used as a top-coat, the material is applied in single or multiple applications by brush, roller or squeegee of varying thicknesses to concrete. It can be applied over resinous flooring surfaces such as polyaspartics or epoxies. Important characteristics of Sparta-Flex® XT™ are its excellent inter-coat adhesion, UV resistance and optimal color/gloss retention.

Sparta-Flex® XT™ provides superior impact, abrasion, and chemical resistance characteristics. Suitable for high traffic interior or exterior applications, the material is ideal for clear topcoat sealer applications over walkways, commercial applications, industrial facilities, and garage floors.

FEATURES & BENEFITS

- Excellent abrasion, impact & wear resistance
- UV-Resistant; retains optical clarity of clear sealer/finish
- Short re-coat time: 1-2 hours
- Low temperature cure (-30° F/-34°C)
- Excellent chemical & stain resistance, resistant to skydrol
- Resistant to hot-tire pickup
- Micro-Media agents can be introduced as traction additives
- Ultra Low VOCs ; < 50 g/l VOC
- Tolerant to 300°F for random, incidental heat contact
- Meets USDA/CFSAN, U.S. Food Code, physical facilities criteria as outlined in 6.100.11 Surface Characteristics USDA acceptable. Not intended for 21 CFR food contact.

COLORS

Sparta-Flex® XT™ is available in a clear finish as well as 14 standard HP Spartacote colors.

COMMON USES

- Top-Coat for high traffic commercial and industrial solid color concrete flooring system consisting of multiple pigmented coats.
- Top-coat for residential garage floor coatings consisting of multi-build simulated granite paint chip or quartz flooring systems.
- Clear sealer or finish coating over decorative concrete surfaces.
- As a cove base material when combined with small aggregates to form a malleable material.

MIXING

Note:

Maintaining a consistent storage temperature prior to application will maximize working time. Store 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 with a drill mixer on slow speed for 2 minutes. 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. Product may be thinned up to 10% with Xylene. Do not use alcohol at any point during application of the system.

APPLICATION

Flat or foam squeegee application is recommended with a double perpendicular back-roll. Roller must have an industrial grade phenolic resin core with a synthetic nap or lambs-wool cover. 3/8" nap. Small chip brushes may be used along the perimeter and in more difficult to reach areas. Sparta-Flex® XT™ will typically be dry to the touch 1 to 2 hours after application, dependent on ambient temperature, slab temperature and humidity. Product may be re-coated at that time or when deemed appropriate by system specification. Foot traffic is generally acceptable after 2-4 hours with 24 hours minimum required for vehicular traffic.

CLEANUP

Use Xylene or MEK. Do Not use Alcohols.

SAFETY

Polyaspartic aliphatic polyurea products contain chemical ingredients that are considered hazardous. Read the container label warning and Material Safety Data Sheet prior to use.

WARRANTY

HP Spartacote® warrants that this product will be within consistent quality and manufactured in accordance with manufacturer's specifications. Given that the manufacturer holds no control over the use, HP Spartacote® does not warranty the installation Sparta-Flex®. Manufacturer's warranty shall be limited to the refunding of any materials determined to be defective.

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