

**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 100°F in a covered area (out of the sun)

**Pot Life:\*** 15 to 20 minutes

**Minimum Re-coat:\*** 1-Hour, minimum

**Light Foot Traffic:\*** 1 to 2 hours minimum

**Maximum Re-coat:\*** 48 hours (contact manufacturer)

**Mixing Ratio:\*** 1.0 part A; 1.0 part B

**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 a 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 excellent 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, swimming pool decks 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.

**COMMON USES**

- Top-Coat for high traffic commercial and industrial solid color concrete flooring system.
- Top-coat for high traffic floor coatings consisting of multi-build simulated granite paint chip or quartz flooring systems.

**MIXING****Note:**

Maintaining a consistent storage temperature prior to application will maximize working time.

**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**

Roller or squeegee application is recommended with a single 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® XT™. Manufacturer's warranty shall be limited to the refunding of any materials determined to be defective.

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