

TD.477 – TECHNICAL DATA: SPARTIC-ALL™ MXP Water Based Polyaspartic Coating

Revised: 1/12/2024 Version: 1.5

Product Class: Hybrid Urethane/Polyaspartic, UV stable, clear floor coating for interior residential, commercial, and industrial use.

Description: SPARTIC-ALL™ MXP is a water based coating that can be applied directly to concrete as a primer, base, body or top coat. It combines a polyol blend along with our priority isocyanates to form a high solids, clear finish that protects interior resinous flooring and concrete where a UV stable floor is required.

Typical Uses:

- Vapor barrier primer in the RH range of 85 to 90%
- Clear top coat over itself or approved epoxy coatings
- High gloss sealer for concrete
- Can be used as a base, body or top coat over approved media broadcasts

Key Features:

- Available in high gloss and matte finish (add in the field)
- UV resistant
- High resistance to abrasion
- 0 g/L VOC
- Bonds direct to concrete

Product Properties: Material and curing conditions at 73° F / 23° C unless noted, 50% R.H.

- Color: Clear (can be pigmented in the field)
- Odor: none
- Viscosity @ 77° F / 25° C, 50% R.H.
 - 150-200 cps.
- Pot life: 20 minutes
- Working time: 20 minutes
- Dry to touch: 3 hours
- Walk on time: 12 hours
- Full cure: 7 days
- Recoat time: Within 24 hour window max

Physical Properties

(@77° F / 25° C, 50% R.H. 7-day ambient cure)

VOC		0 g/L
Volume solids		65%
Taber abrasion		
CS 17-wheel, 1000 g load, 1000 cycles	ASTM D 4060	.038 of a gram loss.
Pendulum hardness	24 hours	12
	48 hours	46
Hardness, Shore D, 7 days	ASTM D2240	80
Bond strength		700 psi
Water absorption, 7 days	ASTM D570	0.17%
Impact, in/lbs.	ASTM D2794	
Direct		60 in/lbs.
Reverse		10 in/lbs.
Gloss	ASTM D523	90+
Brookfield viscosity	ASTM D2196	400 cps
Color Scale	ASTM D1500	Clear to slightly amber 0.5 – 1.0

Mix ratio: 2 Parts B to 1 Part A by volume

Coverage: Coverage rates vary depending on the application use.

- As a neat application: 225-275 sq. ft. / gal (3.78 Liters)

Application Thickness:

- Primer: 4 – 6 mils
- Base/body coat: 5 – 8 mils
- Top coat: 5 – 8 mils

Available packaging:

- 3 gal and 15 gal kits

Additional Notes:

- Ideal application temperatures: 70° F / 21° C and 80° F / 27° C.
- Will bond to most substrates. Contact a Technical Representative for specific details.

Cautions, Clean Up, and First Aid:

- Avoid contact with eyes and skin. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. If you experience watering eyes, headaches, or dizziness, wear a properly fitted respirator (NIOSH/MSHA TC 23C approved) during application. Follow respirator manufacturer's directions for use. Always use protective clothing, gloves, and eye wear.
- Refer to SDS.466 – SPARTIC-ALL™ MXP for additional information before use.

Suggested Storage:

- Store in a temperature and weather-controlled area between 65° F / 18° C and 85° F / 29° C.
- Do not allow to freeze.
- Shelf Life: 1 year from date of manufacture.