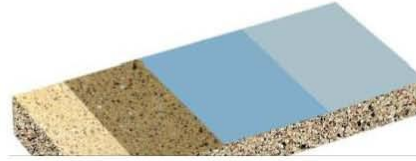


Technical Data Sheet



PRODUCT DESCRIPTION

Puma-Crete 108-PumaSPARTIC Floor Coating is a fast setting coating that also provides enhanced thermal shock, abrasion resistance, and chemical resistance.

Advantages

- Fast curing - foot traffic in 3 hrs
- 10-15 minute working time (25 minutes with optional EXTENDER)
- Good chemical resistance, mechanical strength
- Low temperature cure
- No VOC, Low Odor

TYPICAL USES

108-PumaSPARTIC is ideal for use in various coating applications where fast cure to service is desired.

- Typically used as a top coat over PumaCrete 300/400 series urethane concrete flooring. UDSA accepted for use in Food & Beverage processing areas.
- Recommended for industrial areas with demanding floor conditions, and/or requiring fast turnaround.
- CAUTION: 108-PumaSPARTIC is moisture sensitive during application. Ensure all surfaces are dry.

Colors

108-PumaSPARTIC is available in clear.

For colors, PumaColor tint may be added.

Medium to Dark Colors: 8 oz per gallon

Light Colors or White 16 oz per gallon

APPLICATION CONDITIONS

Temperature: 35°F minimum, 90°F maximum (air, surface and material)
At least 5°F dew point

(For lower temperature installation contact the Technical Service Department).

Relative humidity: 85% maximum

PRODUCT CHARACTERISTICS

Sheen: 1:1
Mix Ratio: 94% ± 2%, mixed (Calculated) 97%
Volume Solids: ± 2%, mixed (Calculated)
Weight Solids:
VOC (EPA Method 24): <10 g/L mixed (unreduced)

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns):	6	20
Dry mils (microns):	4	14
~Coverage sq ft/gal (m²/L):	266	80

Drying Schedule @ 10 mils (250 microns) wet:

	@ 35°F (2°C)	@ 77°F (25°C)
Rel. Humidity	50%	55%
To Touch:	2 hours	1 hour
To Handle:	3 hours	2.5 hours

To Recoat:
 minimum: 6 hours
 maximum: 36 hours

Cure to service:

Water resistance: 3 hours
 Foot traffic: 2 hours
 Wheeled traffic: 12 hours

If maximum recoat time is exceeded, abrade surface with 36 grit paper or screen prior to recoating. (Max re-coat time = 24 hrs)

Drying time is temperature, humidity, and film thickness dependent.

Pot life: 128 oz mass 20-25 minutes

Working time: 10 minutes

Sweat-in-time: None

Shelf Life: Part A: 12 months, unopened
 Part B: 12 months, unopened
 Store indoors at 50°F (10°C) to 90°F (32°C)

Flash Point: 160 F° (71°C), PMCC or SETA, mixed

PERFORMANCE CHARACTERISTICS

Substrate: Concrete (CSP-3)

System Tested: 1 coat 107-PumaPoxy primer @10-12 mils dft

1 coat 108-PumaSPARTIC @10-12 mils dft

Test Name	Test Method	Results
Abrasion Resistance	ASTM D 4060	80 m/g loss
Adhesion	ASTM D 4541	425 psi
Direct Impact Resistance	ASTM D 2794	100
Elongation	ASTM D 638	6%
Tensile Strength	ASTM D 638	6,400 psi
Flexibility 1/8" mandrel	ASTM D 1737	Pass
Hardness, Shore D	ASTM D 2040	69
Tear Strength	ASTM D 624	300 ibf/in