

## On-the-fly coatings with low odor and fast cure times for all your maintenance needs

EPI is committed to creating SMP™ to solve your protective coatings challenges

EPI's fast curing, low-odor Silicone Modified Polymers (SMP™) Total Coating System increases productivity by minimizing downtime. You can create a seamless, floor-to-wall envelope with EPI's sealants, primers and topcoats.

Their waterproof finish is ideal for industrial plants including food, pharmaceutical, beverage bakeries, wineries, breweries, dairies, meat packing as well as restaurants, laboratories, car washes, parking decks, loading docks, aircraft hangers and more.

EPI's SMP™ provide a seamless, waterproof, durable and impact resistant surface. Properly applied\* they adhere to concrete, steel, wood and other surfaces.

Not only do they protect the underlying substrate, they are resistant to foot traffic, vehicular traffic, microbial attack, high humidity, condensation, immersion and cleaning solutions. Additionally, they defend against chemical and environmental exposure.



**With minimal downtime, this floor area received a new EPI SMP™ coating.** Photos courtesy of CFC Coatings



With a performance temperature range of -60 to 250 degrees F, they work in challenging environments like inside coolers and freezers and behind hot machines and appliances. Most are 100% solids or water based making them VOC compliant and environmentally friendly. Their low odor makes them worker, employer and customer friendly. Some meet USDA and FDA requirements for incidental food contact.

EPI's SMP™ are applied with a plural component spray system, brush, trowel, squeegee, or roller. Joint Sealant is available in convenient cartridges. Because most of our systems can be applied at 20 to 120 degrees F, you can work year round. Most gel within seconds and are tack-free within minutes. You can open floors to foot traffic within 30 minutes and to industrial traffic in an hour or two. Depending on the usage or potential exposure, you can build EPI's SMP™ from less than 10 mils to greater than 250 mils in a single application.

Attractive floors and walls contribute to a pleasant work experience. EPI can add a custom tint for beauty as well as brawn. Flat, shiny wall surfaces are easy to clean and promote a hygienic setting. Broadcasting aggregate onto our self-leveling floor surface provides a textured, non-skid finish. Employees and clients enjoy an extra measure of safety when walking on a non-skid surface.



**EPI's silicone-modified polymer (SMP™) coatings are ideal for industrial plants, parking decks and more.**

Photo courtesy of Dundec Contracts Ltd

\*EPI recommends that you use only certified applicators with a trained, experienced crew. Before applying EPI's coating systems, surface preparation is critical to remove all surface contaminants and to repair all leaks and cracks.



**Left: Broadcasting aggregate onto EPI's coatings provides a textured, non-skid finish for wet floors.**



**Right: EPI's VOC compliant and low-odor coatings are environmentally as well as worker-friendly**

Photos courtesy of CFC Coatings

## Product Selection Guide Maintenance Coatings

Products and Classification	Quick Set (QS)	Waterbase Quick Set (WQS)	Extra Flex (EF)	EP 300I	AEP	RAP	RAP 45	IKSP	2KSP
	Aromatic Epoxy	Waterbase Epoxy	Aromatic Polyurea			Aliphatic Polyurea		Polymer Dispersion	
<b>Properties</b>									
<b>Regulatory</b>									
VOC Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USDA & FDA Acceptable	No	No	Yes	Yes	Yes	Yes	Yes	No	No
<b>Physical Properties</b>									
Silicone Modified	Optional	Optional	No	No	No	Optional	Optional	Yes	Yes
Component Ratio A/B	1 to 2	1 to 1	1 to 1	1 to 1	1 to 2	1 to 1	1 to 1	I-Component	1 to 5
UV/Color Stability	Fair	Fair	Fair	Fair	Excellent	Excellent	Excellent	Excellent	Excellent
Hardness (Shore)	70D	70D	72-75D	50D	45 D	40D	40D	2H Pencil	2H Pencil
Elongation (%)	28	28	950	800	200	375	290	210	100
Tensile Strength (PSI)	8881	8810	1325	800	3590	3310	3610	5980	6500
Tear Strength (PLI)	Contact EPI	Contact EPI	460	250	450	450	480	Contact EPI	Contact EPI
Solids by Volume	100%	60%	100%	100%	100%	100%	100%	37%	42%
Viscosity 75F (CPS)	A100/B1500	A750/B750	A800/B600	A1200/B400	A1000/B1575	A450/B600	A750/B575	300	400 Mixture
Colors	Custom	Custom	Custom	Custom	Custom	Custom	Custom	Clear	Clear
<b>Application</b>									
Suitability Floors/Walls	Floors	Both	Both	Both	Yes	Both	Both	Both	Both
Roller, Trowel, Squeegee	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes
Airless Spray (Non-heated)	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes
Airless Spray (heated)	No	No	Yes	No	No	Yes	No	No	No
Application Temp. F	40-120	40-120	40-120	40-120	40-120	20-150	20-120	40-120	40-120
Self-Leveling	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes
Thickeners	Gel Cel	Gel Cel	No	Gel Cel	Gel Cel	No	Fumed Silica	Gel Cel	Gel Cel
Pot Life	30 Min	10 Hr	10 Sec	15 Min	15 Min	10 Sec	30 Min	24 Hr	8 Hr
Fast/Gel Time	20 Min	20 Min	13 Sec	30 Min	15 Min	15 Sec	40 Min	5 Min	5 Min
Fast/ Tack Free Time	2-5 Hr	5 Min**	16 Sec	1 Hr	45 Min	25 Sec	30 Min	15 Min	15 Min
Fast/Foot Traffic	6 Hr	1 Hr	5 Min	2 Hr	1 Hr	10 Min	1 Hr	1 Hr	1 Hr
Fast/ Industrial Traffic	24 Hr	24 Hr	1 Hr	6 Hr	24 Hr	1 Hr	24 Hr	24 Hr	24 Hr
Recoat Window	Recoat window is variable, based on conditions. Please consult with your EPI representative.								
<b>Primers</b>									
Primer-Concrete	No	WQS (Squeegee)	IKSP,P28, QS	No	No	QS, P28	QS, P28	IKP	No
Primer-Steel	No	QS	P28, P202, QS	No	No	P202	MAP-Z, P28, QS	P202	P202
Primer-Wood	No	QS	IKP, QS	No	No	IKSP	IKSP, QS	IKP	No
<b>Top Coat</b>	RAP 45	RAP 45	RAP	RAP 45	AEP I	RAP	RAP 45	I KSP	2KSP

\*This Selection Guide is for general information only. Please consult with your EPI representative before making a decision.

\*\*Tack-Free Time is variable, based on humidity