



Ceramasafe 90

Ceramic Epoxy Tank Lining

General Information

Description	Heavy-grade industrial tank lining; Ceramasafe 90 may be used as a liner for steel or concrete non-potable water tanks, clarifiers and basins and may also be specified for immersion service in treatment plant services with heavy chemical stress
Generic Type	Aliphatic Amine Epoxy Liner
Chemical Services	High hydrogen sulfide environments, non-potable water influent, secondary containment of dilute acids, bases and oxidizers. Contact Induron Technical Service for specific recommendations at <i>1-800</i> - 324-9584
Available Colors	Black and Grey, all colors share a common part B
Available Kit Sizes	A 5 gallons

Sizes	Α	5 gallons
	В	5 gallons
	Total Kit Volume	10 gallon kit

Performance Testing	ASTM B117 Salt Fog	12,000 hrs, no effect
	NACE TM0174 1% Sodium Hypochlorite Immersion	1 year, only color loss
	NACE TM0174 12% Sodium Hypochlorite Immersion	14 days, only color loss
	NACE TM0174 Water Immersion	4 years no effect
Compatible Primers	Ceramaprime, Ceramaprime LV, Ceramaprime CC, Indura direct to metal, direct to concrete	azinc MC-67, PE-70, E-Bond 100

Surface Preparation All substrates clean and dry, free of dirts, oils, greases and contaminants

Carbon Steel	Abrasive blast to SSPC SP-10 with a 1-3 mil profile
Concrete	Abrasive blast as per SSPC SP-13 to an ICRI CSP 3 or
	greater. Can be applied over Mortarchem and EFS 707
Repairs, small areas	SSPC SP-11 power tool to bare metal to produce an
	angular profile

Shelf Life & Storage

2 year shelf life parts A and B, Store long term between 35 and 90ºF, Recommend heating material to 80-85ºF in the 24 hours prior to application

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Application Information

	minimur	n ma	vimum	Covera	ge Rate		
wet film						1443 ft²/gal at 1 mil	
						36 ft ² /gal at 40 mils	
,							
Plural Air	less Sprav	Remove	all filters f	om sprav	system, i	ise Graco XP-	
	,	70 or equivalent heated plural spray unit with heated					
			-	ay at min			
Single Leg Airless		Remove all filters from spray system, use pump					
Spray		•	•	•	-	• •	
		•			•	•	
		•	•	0.000			
Brus	h and Roll				nt up to 1	0% for stripe	
		coating	and small a	eas			
1:1 by volume	e A:B						
50º	F	75ºF	90º	F			
3 hour	s 90 min	utes	45 minute	s			
Use K-1070 o	r K-1034 at	up to 10%	6 for brush a	and roll on	lv		
					-		
	eratures mi	ust be ≥5	PF above th	e dewboin		t temperatures ≥50ºF	
		ust be ≥5 [!]				t temperatures ≥50ºF	
			minimur	n maxii	mum	t temperatures ≥50ºF	
Subst	rate tempe	erature	minimur 50º	n maxii F 1	mum 40 ºF	t temperatures ≥50ºF	
Subst	rate tempe erial tempe	erature	minimur	n maxin F 14 F 1	mum	t temperatures ≥50ºF	
Subst	rate tempe erial tempe	rature	minimur 50º 90º 0% RI	n maxin F 14 F 1 H 95	mum 40 ≌F .20ºF % RH	t temperatures ≥50ºF	
Subst	rate tempe erial tempe Hu	rature rature midity	minimur 50º 90⁰ 0% R 50ºF	n maxin F 14 F 1 H 95 75ºF	mum 40 ºF .20ºF % RH 90ºF	t temperatures ≥50ºF	
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Subst Mat dry t	rate tempe erial tempe Hu dry t to topcoat n o topcoat n	rature rature midity to handle minimum naximum on service	minimur 50° 90° 0% R 50°F 32 hrs 24 hrs 7 days	n maxin F 14 F 14 H 955 75ºF 16 hrs 12 hrs 7 days	mum 40 ºF .20ºF % RH 90ºF 8 hrs 12 hrs 7 days 5 days	t temperatures ≥50ºF	
	Single L Brush 1:1 by volume 50º 3 hour Use K-1070 or	wet film22 midry film20 miPlural Airless SpraySingle Leg Airless SpraySingle Leg Airless SprayBrush and Roll1:1 by volume A:B50°F3 hours90 minUse K-1070 or K-1034 at	wet film22 milsdry film20 milsPlural Airless SprayRemove 70 or eq hose bu spray tip and 110 achieveSingle Leg Airless SprayRemove capable tip. Pre- and ap recommBrush and RollThin wit coating a1:1 by volume A:B75°F 90 minutes	wet film22 mils45 milsdry film20 mils40 milsPlural Airless SprayRemove all filters fr 70 or equivalent heat hose bundle and i spray tip. Heat A ar and 110°F and spra achieve fanSingle Leg Airless SprayRemove all filters capable of 2,000 psi tip. Pre-heat materi and application. recommendedBrush and RollThin with K-1070 or coating and small ar1:1 by volume A:B50°F75°F90 minutes45 minuteUse K-1070 or K-1034 at up to 10% for brush ar	wet film22 mils45 milsdry film20 mils40 milsPlural Airless SprayRemove all filters from spray 70 or equivalent heated plural hose bundle and in-line sta spray tip. Heat A and B comp and 110ºF and spray at mini achieve fanSingle Leg Airless SprayRemove all filters from spray capable of 2,000 psi line press tip. Pre-heat material from 90 and application. Graco V recommendedBrush and RollThin with K-1070 or K-1034 at coating and small areas1:1 by volume A:B50°F75°F90°F 3 hours3 hours90 minutes45 minutes	wet film22 mils45 milsdry film20 mils40 milsPlural Airless SprayRemove all filters from spray system, u 70 or equivalent heated plural spray uni hose bundle and in-line static mixer. spray tip. Heat A and B components to and 110ºF and spray at minimum line achieve fanSingle Leg Airless SprayRemove all filters from spray system capable of 2,000 psi line pressure; 0.02' tip. Pre-heat material from 90-110ºF pr and application. Graco Viscon in recommendedBrush and RollThin with K-1070 or K-1034 at up to 1 coating and small areas1:1 by volume A:B50ºF75ºF90ºF 3 hoursUse K-1070 or K-1034 at up to 10% for brush and roll only	

weight solids

87 ± 2%