

**STEEL PLUS CE SERIES
CLEAR**

20-450A

DESCRIPTION	2 to 1 mix Water Base Epoxy (See page 3 for available sizes)
USES	A tough, heavy duty, extremely chemical resistant epoxy designed for maximum performance in severe environments.
APPEARANCE	Gloss Clear
RECOMMENDED PRIMERS	Steel Plus Epoxy Primer 30-0850 Gray or 30-0860 Red.
PHYSICAL PROPERTIES	
WEIGHT PER GALLON	8.7 lbs.
SOLIDS BY WEIGHT	37.4%
SOLIDS BY VOLUME	33.7%
RECOMMENDED DFT	2.5 mils
INDUCTION TIME	NONE
WET FILM TO ACHIEVE DFT 8 mils	
THEORETICAL COVERAGE	
@ 1 Mil DFT	520 sq. ft./gallon
PRACTICAL COVERAGE	180 sq. ft./gallon
@ RECOMMENDED DFT	
(Assumes 15% material loss)	
DRY TIMES @ 70°F - 80°F	Tack Free 1 hour
(21° - 27°C) AND 50% RH	Handle 2-4 hours
	Recoat 2 hours
	Fully Cured 7 days (rate can be accelerated)
	Heat cure @ 175°F for 30 minutes
	4 hours with no reduction of gloss
POT LIFE	300° F
DRY HEAT RESISTANCE	1 year
SHELF LIFE	See page 3
PACKAGING	

SURFACE PREPARATION

All Surfaces: Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with BC-4000 cleaner or other suitable cleaner. Thoroughly cured old coatings or new smooth metal may require scuff sanding for maximum adhesion.

Severe exposures: Abrasive blast to SSPC-SP-10 near white blast before priming
Moderate exposures: Abrasive blast to SSPC-SP-6 commercial blast before priming

APPLICATION

Apply only when air and surface temperatures are between 50°F and 100°F and surface temperature is at least 5°F above the dew point.

THINNING

ROLLER/BRUSH	Use as mixed. Thin with water as needed.
AIR-ATOMIZED SPRAY	Thin 10% with water if needed.
AIRLESS SPRAY	Normally not needed.
CLEANUP	Soap and water.

EQUIPMENT RECOMMENDATIONS

BRUSH	Quality synthetic bristle brush
ROLLER	Use good quality roller cover.
AIR ATOMIZED SPRAY	Follow equipment manufacturers nozzle and needle selection recommendation for use with medium viscosity paints. Spray at 45-60 PSI.
AIRLESS SPRAY	1800 - 2400 psi with a .017 to .021 tip.
HOT SPRAY	120°F

SAFETY INFORMATION

VOC	178g/l or 1.48 # per gallon
FLASH POINT	N/A

WARNING: California Prop. 65 warning: Detectable amounts of chemicals known to the state of California to cause cancer, birth defects or other reproductive harm, may be found in this product or its vapors.

For specific information refer to the **Material Safety Data Sheet**.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN

PRODUCT ORDERING INFORMATION:

<u>Product Number</u>	<u>Size</u>	<u>Wt./Case</u>	<u>Case Quantity</u>
20-450A	Gallon	36	4
20-450A	5 Gallon	48	1

BURKE INDUSTRIAL COATINGS

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20-450A Steel Plus CE Epoxy Clear and activator 16-Cure

GALLONS (2 to 1 Mix)							Total Liquid Gallons
Qty	20-450A		Qty	16-Cure	Qty	16-Cure	
1	F1		2	F4			1 1/2
2	F1		1	F1			3
3	F1		1	F1	2	F4	4 1/2
4	F1		2	F1			6
5	F1		2	F1	2	F4	7 1/2
6	F1		3	F1			9
7	F1		3	F1	2	F4	10 1/2
8	F1		4	F1			12
9	F1		4	F1	2	F4	13 1/2
10	F1		5	F1			15

QUARTS (2 to 1 Mix)							Total Liquid Quarts
Qty	20-450A		Qty	16-Cure	Qty	16-Cure	
1							
2	F4		1	F4			3
3							
4	F4		2	F4			6
5							
6	F4		3	F4			9

5 GALLON PAILS (2 to 1 Mix)									
Qty	20-450A		Qty	16-Cure	Qty	16-Cure	Qty	16-Cure	Total Liquid Gallons
1	F5		2	F1	2	F4			
2	F5		1	F5					15
3	F5		1	F5	2	F1	2	F4	22 1/2
4	F5		2	F5					30
5	F5		2	F5	2	F4			37 1/2
6	F5		3	F5					45
7	F5		3	F5	2	F1	2	F4	52 1/2
8	F5		4	F5					60
9	F5		4	F5	2	F4			67 1/2
10	F5		5	F5					75

