



PRODUCTS, INC.

918 N. UNION STREET
APPLETON, WI 54911
(920) 739-8685
1-800-221-638
FAX (920) 739-8704

**EPOXY & FIBERGLASS FLOORING, SEAMLESS FIBERGLASS WALL SYSTEMS, SEALERS,
HIGH PERFORMANCE COATING SYSTEMS, AND INDUSTRIAL CLEANERS**

PRODUCT BULLETIN

#4110 CHEMICAL RESISTANT EPOXY

DESCRIPTION: #4110 epoxy is a clear, low viscosity, odorless, 100% solids, free flowing epoxy-modified cycloaliphatic amine combination specifically formulated for excellent general chemical resistance and durability. Available in clear and colors.

USES: #4110 is recommended as a long term wear and short-medium term chemical resistance. Will cure completely to 40F although more slowly.

APPLICATION: Mix 2 parts by volume PART A and 1 parts by volume PART B and use immediately. Pot life is 30 minutes and tack free cure time is 3-4 hrs at 70F. Light traffic may be allowed after 6 hours- 5h pencil hardness, full use in 24 hours – 6-7 h pencil hardness-and full chemical resistance develops in 7 days at 70F. PART B will absorb moisture from the air so keep container tightly sealed when not in use. In low temperature and high humidity applications, tack wiping between coats with a ketone or aromatic solvent is recommended.

SPECIFICATIONS:

Compressive strength	17300PSI	PENCIL HARDNESS	6-7H
Tensile Strength:	10700PSI	TABOR ABRASION	32
Hardness Shore D	81	UV STABILITY	VERY GOOD

CHEMICAL RESISTANCE 1 WEEK- EXCELLENT, 5%,29% HAC, 105,25%,70% H₂SO₄,10,20% HNO₃,10%HCL, 10%, 50%NAOH, 5% CITRIC ACID, 5% LACTIC ACID, XYLENE, TOLUENE, IPA. GASOLINE, ANTIFREEZE, BRAKE FLUID, SKYROL, BLEACH, 3% HYDROGEN PEROXIDE, WATER, MOST INKS AND DYES.

NOT RECOMMENDED FOR: 50% HAC, 98% H₂SO₄, MEK, METHANOL, ETHANOL.
CONSULT YOUR DEALER FOR MORE INFORMATION.

CAUTION: PART B is a severe eye and skin irritant, harmful if swallowed or inhaled. Do not get in eyes, on skin or clothing. Do not breath vapor, mist or spray and use with adequate ventilation. In case of eye contact wash with water for 15 minutes and get medical attention promptly. Wash effected skin area with soap and water. If swallowed dilute with water and call physician. Do not induce vomiting.

NOTE: TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER C.D. PRODUCTS INC. ASSUMES NO LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. THE FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSE OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTY THAT THESE ARE THE ONLY HAZARDS WHICH EXIST.



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918 N UNION ST
 APPLETON,
 WI 54911
 920-739-8685
 OR 1-800-221-6381
 FAX: 920-739-8704

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	<u>1 Day</u>	<u>1 Week</u>	<u>1 Month</u>	<u>3 Months</u>
Water	0.12	0.32	0.65	1.22
5% Detergent	0.10	0.31	0.63	1.18
5% Acetic acid	0.18	0.49	1.03	1.90
20% Acetic acid	1.62	4.54	8.862	Destroyed
50% Acetic acid	6.87	Destroyed	-	-
99.7% Acetic acid	5.69	Destroyed	-	-
10% Sulfuric acid	0.30	0.74	1.43	2.45
25% Sulfuric acid	0.25	0.67	1.33	2.46
70% Sulfuric acid	0.24	0.44	0.88	1.85
98% Sulfuric acid	Destroyed	-	-	-
5% Nitric acid	0.23	0.59	1.13	2.03
20% Nitric acid	0.46	1.17	2.20	3.84
10% Hydrochloric acid	0.19	0.47	0.91	1.70
10% Sodium hydroxide	0.09	0.26	0.51	0.94
50% Sodium hydroxide	0.00	0.00	-0.06	-0.08
5% Citric acid	0.13	0.34	0.68	1.25
5% Lactic Acid	0.13	0.38	0.72	1.33
Methyl ethyl ketone	Destroyed	-	-	-
Xylene	0.04	0.06	0.09	0.18
Toluene	0.04	0.09	0.19	0.59
Ethanol	0.79	3.06	6.87 ³	Destroyed
Methanol	4.31	Destroyed	-	-
Isopropanol	-0.01	-0.01	0.03	0.21
Gasoline	0.03	0.04	0.06	0.11
Antifreeze	0.00	-0.02	-0.05	-0.05
Brake fluid	0.13	0.49	1.58	4.37
Transmission fluid	0.05	0.08	0.10	0.15 ²
Skydrol (500B4)	0.01	-0.01	-0.01	0.03
Bleach	0.10	0.23	0.46	0.92
3% Hydrogen peroxide	0.12	0.36	0.76	1.51
50% Sugar solution	0.10	0.28	0.56	1.05

¹Reported as percent weight change of immersed 1" x 3" x 1/8" samples at 25 °C.

²Moderate swelling and slight softening.

³Moderate swelling and softening.