elite crete systems

1151 Transport Drive Valparaiso, IN 46383 Toll Free 888.323.4445 • P 219.465.7671 elitecrete.com

TD.474 – TECHNICAL DATA: E100-VR4™

Revised: 3/16/2023 Version: 1.5

Product Class: Pigmented epoxy protective coating for commercial and industrial traffic use.

Description:

E100-VR4[™] is 100% solids, UV resistant, low viscosity, pigmented, high gloss, two-component epoxy coating, specifically designed for incidental interior UV exposure. Bonds to slightly damp concrete and is not affected by high humidity. Resistant to microbial growth.

Uses:

- Sealing and protecting concrete
- Broadcast coating for industrial flooring
- Binder for epoxy mortar and slurry coats
- Dry concrete surfaces and concrete overlays
- Concrete surfaces for foot and vehicular traffic
- As a base coat for REFLECTOR[™] Enhancer Flooring Systems
- Used in many of the HERMETIC[™] Flooring Systems

Viscosity: @ 75° F / 24° C Part A: 2700 cP Part B: 80 cP Mixed: 600-700 cP

Features:

-Good chemical resistance -Excellent UV resistance -Non-shrink coating -Will not blush or water spot -USDA and CFIA compliant -High-gloss, non-blush film -0 VOC's

Cure: @ 75° F / 24° C Pot life: 14 minutes Tack free: 7 to 8 hours Full traffic: 24+ hours

Mix Ratio: 2 Parts A to 1 Part B by volume

	Physical Properties		
	(@77° F / 25° C, 50% R.H. 7-day a	mbient cure)	
Compressive strength	ASTM D695	11,900 psi	
Tensile strength	ASTM D638	2,800 psi	
Elongation at break	ASTM D638	3.9%	
Flexural strength	ASTM D790	6,200 psi	
Abrasion resistance		· ·	
CS-17 Wheel, 1 kg load	ASTM 4060	9 mg loss	
Water absorption (2-hour boil)	ASTM D570	0.07%	
Shore D hardness	ASTM D2240	76-85	
Heat distortion temperature	ASTM D648	130° F / 54° C	
Volatile organic content (VOC)		0 g/L	
Coefficient of friction	ASTM D2047	> 0.6	
	Chemical Resistance (Splash and Spill)		
Water (fresh and salt) 1%-50% Sodium Hydroxide 1%-10% Sulfuric Acid	Butanol Xylene 111 Trichloroethane		

Oil Gasoline

See TD.400 for complete list or contact local Technical Representative.

Available Packaging:

1%-10% HCL

• 3, 15, and 150 gallon kits

Suggested Storage:

- Store in a temperature and weather-controlled area between 65° F / 18° C and 85° F / 29° C.
- Do not allow to freeze.
- Shelf Life: 1 year in original unopened containers.

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend b use our products for. Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability on fitness for a particular purpose, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven dams is replacement of an in oeventabal we be liable for incidental or consequential damages. ©Elite Crete Systems, hc. 2025 All rights reserved Made in the USA