

7779/7781

TWO-COMPONENT HIGH PERFORMANCE EPOXY

Data sheet

PRODUCT DESCRIPTION

7779/7781 primer is a two-component water-borne epoxy primer for use on wood and concrete substrates prior to the application of high performance surface-applied coating systems.

PRODUCT NUMBER AND COLOR

Standard colors are:

7779..... Clear

7781..... Neutral

TYPICAL PROPERTIES

Description	Test Method	Results
Weight/Gal (mixed)	ASTM D1475	8.92 lbs/gal
Weight Solids (mixed)	ASTM D4209	33.4%
Volume Solids (mixed)	Calculated	28%
Viscosity (mixed)	ASTM D562	25 sec Z2
VOC (mixed)	EPA Method 24	85 g/L
MVT @ 7 Mils	ASTM E96	0.42 Perms
Adhesion to Concrete	ASTM D4541	400 psi
Flash Point	ASTM D3278	None
Mix Ratio 7779:7781		4:1 by volume

APPLICATION & ENVIRONMENTAL LIMITATIONS

- Measure air temperature near concrete surface. Recommended air temperature for application is above 50oF.
- Recommended range of relative humidity for application is between 45 - 75%.
- Temperature of concrete must be at least 5oF (3oC) above the air dew point during coating application and cure time.
- Avoid application on a damp surface.

RECOAT TIME

- 1.5 hours @ 75oF and 50% relative humidity.

FILM THICKNESS LIMITATIONS

- Recommended application rate is 300 ft² per gallon.
- Cure time will increase if applied at high wet film thickness, especially at low temperature and high relative humidity.
- Thick film application on a hot concrete surface may cause blistering and mud cracking.

USABLE POT LIFE OF 7779/7781 AFTER MIXING

- Pot life of 7779/7781 is 6 hours @ 75oF and 50% relative humidity.
- Physical properties of 7779/7781 like adhesion, gloss and hardness will decrease if primer is applied beyond its usable pot life.
- Mix only the amount of material that can be applied within 7779/7781 usable pot life.
- Dispose according to local regulations 7779/7781 material that has passed its usable pot life.

SUITABLE SUBSTRATES FOR 7779/7781

- Concrete
- Wood

PRODUCTS THAT BOND WELL TO 7779/7781

Product	Adhesion (psi)
7430	>400
FC7500/FC7960	>400
FC7510/FC7961	>400
FC7520/FC7962	>400
FC7530/FC7963	>400
70410	>400
70860/70865	>400

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STORAGE AND HANDLING

7779/7781 will freeze and become unusable below 32 ° F (0 ° C). Do not ship or store unless protection from freezing is available. Do not apply if conditions will not permit complete cure before rain, dew or freezing temperatures occur. Do not apply in the late afternoon if moisture condensation can appear during the night.

PRODUCT DESCRIPTION

Read the Material Safety Data Sheet (MSDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.

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