E-620F

Water-Based Epoxy Coating

Pentens® E-620F is a pigmented, reactive two-component system, consisting of water-emulsified epoxy resin hardener (A-Comp.) and. modified phenol type epoxy resin (B-Comp.) This system could actually be formulated using water as a carrier and still produce film with outstanding appearance.

Pentens® E-620F is safe to use in sensitive locations and it is environmentally friendly with extremely low V.O.C.(volatile organic compound). It makes an ideal moisture barrier for water tanks, reservoirs, swimming pools, storage tanks.

USES

- Food Industrials
- Clean room
- Hygienic
- Assembling plants
- Storage and logistic areas
- Chemical and pharmaceutical industries
- Institutional areas

ADVANTAGES:

- Environmentally friendly
- Cured membrane will withstand high levels of hydrostatic pressure up to meter head of water or 250 kPa
- Excellent wear and impact resistant properties
- Impervious to liquids and excellent resistant to chemicals
- Can be applied to damp surfaces
- Can be safety applied to freshly laid gardened (green) concrete
- Non-flammable, negligible odor and toxicity
- Has excellent adhesion to most substrates including brick, masonry, concrete, compressed fiberboard, stone and timber
- Easy clean-up using water

COVERAGE

Each coat is applied by roller at 3 M²/liter. Coverage depends on surface porosity and substrate conditions.
Pentens® E-620F is designed to be applied in two coats to achieve an approximate dry film thickness of theoretically 300μm (microns).

ANTI-SLIP TOP COAT

Pentens® E-620F is anti-skid finish available.

TECHNICAL & PHYSICAL DATA

Appearance (mixed)	Brushable/rollable/sprayable uniform paste in color with a matt appearance
Finish	Semi-gloss
Pot life	45-60 minutes @ 25ºC
Re-coat time	6 hours @ 25ºC and 50% RH
Application of adhesive/coverings	24 hours @ 25ºC and 50% RH
Full Cure	5-7 days @ 25ºC and 50% RH
Specific gravity (mixed)	Approx. 1.25 @ 25ºC and 50% RH
Dry film thickness	300 μm (microns)
Shelf life	1 year when unopened and undamaged
Packaging	E-620F A: 20kg/pail, E-620F B: 2kg pail

CHEMICAL RESISTANT

Chemical Solutions		E-620F	E-620F(FRP)
Water		◎	◎
Ethylene Glycol		◎	◎
Isopropyl Alcohol		Δ	◎
Butyl Cellulosive		Δ	◎
N-Butyl Acetate		Δ	◎
Toluene		Δ	◎
Ethanol		Δ	◎
Acetone		Δ	◎
Sodium Hydroxide	10%	◎	◎
	30%	◎	◎
	60%	◎	◎
Hydrocholoride	10%	◎	◎
Acid	30%	◎	◎
	60%	◎	◎
Nitric Acid	10%	◎	◎
	20%	◎	◎
	30%	◎	◎
Sulfric Acid	30%	◎	◎
	70%	○	○
	99%	X	X
Acetic Acid	30%	Δ	Δ
	70%	X	X
	99%	X	X

Sample: Cured for 7 days and immersed in chemical sol. for 14 days (Room Temp.)

◎: Excellent (no effect on color or strength)
○: Well (slightly color changed)
Δ : Poor (slightly softened)
X : Worse (Brokened)