



TECHNICAL DATA SHEET # 220

PDC® F-1105 eccs®

PVC WATERBASE COATING
FOR INDUSTRIAL USE ONLY

DESCRIPTION:

F-1105 is a fast dry, high performance, water based PVC coating used to dip coat reticulated foam used for indoor and outdoor applications. F-1105 adds abrasion, moisture, chemical, tear, excellent UV resistance as well.

APPLICATIONS/ USES:

Gutter	Industrial Systems
HVAC Filtration	Data Centers
Air Flow Management	Acoustic Absorption
Electronics	Outdoor/ Marine Cushions
Appliances	Flame Resistance

SPECIFICATIONS:

Solids (wt): 46%	Tensile: (ASTM-D 412) 700 psi
Temperature use range: 0°F to 120°F	Elongation: (ASTM-D 412) 520%
Block resistant: 4hr @ 120°F	Shelf life: 1+ year at 77°F unopened container
UV Resistance: ASTM G-53	Finish: Satin
1500 hrs - good-very good	

Chemical resistance: In House Test Results [ASTM D-1308]

Ketone:	poor	Aromatics:	fair
Aliphatics:	good	Alcohols:	good
Acids:	good	Glycol:	fair

ALTERNATIVE PRODUCTS:

F-924-FR PVC water base, F-1101-FR Acrylic water base, F-1110 Acrylic water base.
Contact technical service for assistance.

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SURFACE PREPARATION:

All surfaces to be coated must be free of any oils, moisture, dust or loose foam particles.

USE ADEQUATE VENTILATION.

Dipping:

Be sure to adequately mix F-1105 before and agitate during use, being careful not to introduce air into mixture which can cause excessive bubbles or foaming.

Low PPI reticulated foams-

Submerge foam completely making sure to “wet out” all surfaces then quickly remove and allow coating to run off back into tank or reclaim container. *Its important to return run off to the tank immediately and mix periodically.* After removing from tank and allowing excess to run off, shake the coated foam piece against tank side to remove excess coating from foam cell structure. Air dry item for 5 minutes then place in mild heat [90-120f] and air movement until completely dry. Dry time will vary depending on humidity, heat, air flow and coating thickness.

High PPI reticulated foams-

Submerge foam completely making sure to “wet out” all surfaces, then run through pinch rollers to squeeze out excess coating and allow coating to run off back into tank or reclaim container. *Its important to return run off to the tank immediately and mix periodically.* Air dry item for 5 minutes then place in mild heat [90-120f] and air movement until completely dry. Dry time will vary depending on humidity, heat, air flow and coating thickness.

Hints:

A dry film thickness of 1-2 mils minimum is recommended for best results. When using a dip tank always leave at least 6” from fluid surface to tank top to minimize “skinning over”. Please contact Technical Service for assistance. Always use proper ventilation and protection.