TECHNICAL DATA SHEET #128

PDC® F-1061 eccs®

WATER BASED "EDGE SPRAY"

FOR INDUSTRIAL USE ONLY

DESCRIPTION:

F-1061 is a fast dry, high solids, water base, 100% polyurethane coating that produces a durable, water, chemical and abrasion resistant finish on opencell polyurethane foams primarily used as an "EDGE SPRAY" for underhood sound deadening applications where a PSA is applied to back side and mylar film apllied to top surface and exposed foam edges need to be sealed.

F-1061 can also be applied to EVA, PVC, EPS, x-link PE or minicell closed cell foams.

F-1061 is a high solids, very low V.O.C. material, which makes it an Emission Control Coating System, eccs®.

Finally, a one component product you can rely on batch after batch. The durability, safety, ease of use, water clean up, as well as performance you expect. The service and quality you deserve.

OTHER FEATURES INCLUDE:

Non-flammable, very safe and easy to use
Water clean up

SPECIFICATIONS:

Solids (wt): approximately 60%
Temperature use range: 0°F to 225°F
Block resistant: 140°F @ 4 hours
Shelf life: 1+ year at 77°F unopened container
Coverage: 320 sq. ft per gal at 5 mils
160 sq. ft per gal at 10 mils
80 sq. ft per gal at 15 mils

Tensile: (ASTM-D 412) 2,800 psi
Elongation: (ASTM-D 412) 933%
Tear resistance; ASTM 1004 .25
Freeze Thaw Stability: Good
Finish: Satin

ALTERNATIVE PRODUCTS:

PDC® F-753

SURFACE PREPARATION:
All surfaces to be coated must be free of any oils, dust, mold release or loose foam particles.

USE ADEQUATE VENTILATION. GENTLY MIX BEFORE EACH USE.
SPRAY APPLICATION:
1.Whether edge spraying individual pieces or stacking several pieces at a time, its recommended you create templates (PE or PP work best) to place on top of pieces being sprayed. This will protect top surface from overspray and help hold down the piece(s) while spraying.
2.Holding spray gun 6”-12” from surface, using an 4”-6” pattern at a 90 degree angle, apply heavy, wet, overlapping coats, moving slowy over the length of the surface being coated, being sure to “flood” the surface saturating the cell structure.
3.Seperate pieces and allow to air dry to the touch. Once dry to the touch, either repeat process or you may place in mild heat and air movement (80-100 F) for 15 minutes to speed curing process.
4.If a second coat is required, its recommended to apply the second spray coat, then flip pieces over and allow to dry. By flipping the pieces over you will achieve better sealing and coverage due to “wedge effect” of the coating during drying. Once dry to the touch you may place in mild heat and air movement (80-100F) for 15 minutes to speed curing process or leave pieces to dry over night.

Pressure Pot recommendations:
Binks® model 2100 or equivalent conventional spray gun.
Nozzle: 66SS
Cap: 66SS
Needle: 565
Material: 20 psi
Atomization: 10-15 psi
Dilution: not recommended
Clean up: immediately with water – if allowed to dry, use Acetone or M.E.K.

Water sensitivity- F-1061 is water based and like all water based coatings and paints can be sensitive to prolonged contact with water. If F-1061 does come in contact with water, it is normal for the color to change [lighter] after prolonged contact. After drying the color will return to its original shade. If products being coated require greater moisture resistance its recommeneded you contact Technical Service for our high performance cross linked finish.

HINTS:
A dry film thickness of 5-10 minimum is recommeneded for best results. Best results are achieved when liquid temperature of F-1061 is between 70-75 F and air temperature is 70-80 F. Allow at least overnight dry before stacking or storing coated items unless you’ve accelerated curing with mild heat. Always use proper ventilation and protection.