

ACCESSORY MATERIAL DATA

PITTCOTE 600 B

USE AND PROPERTIES

Pittcote 600 B is formulated for use as a breathing type finish over high temperature insulation. It is composed of petroleum asphalt and solvent, select asbestos fibres and low density mineral fillers.

Pittcote 600 B is furnished in both spray and trowel grades. It cures after application to a strong, tough abrasion resistant and weather resistant film.

Pittcote 600 B is for use as breathing type weather barrier over vessels and pipes with surface temperatures over 212°F. It cures to a film which has minute pores permitting moisture vapor to escape, but prevents liquid from entering. Special properties in Pittcote 600 B permits the moisture to pass out through the film, yet not blister the film.

APPLICATION

Pittcote 600 B can be readily applied by spraying, painting or troweling. A tack coat of 600 B should be applied to the insulation. Glass fabric should then be embedded in the mastic allowing about a 4" overlap at all seams. A final coat should then be applied to obtain the desired dry film thickness.

COVERAGE

Inches of Dry Film Thickness	Required Wet Film Thickness (Inches)		Gallons Per 100 Square Feet	
	600 B Spray	600 B Trowel	600 B Spray	600 B Trowel
1/16	3/32	3/32	5.5	5.2
3/32	1/8	1/8	8.3	7.8
1/8	3/16	3/16	12	10
3/16	1/4	1/4	17	16
1/4	11/32	11/32	22	20

CAUTION FOR STORAGE AND APPLICATION

Provide adequate ventilation when using or storing in closed spaces. Keep containers covered and away from open flames or intense heat.

Do not attempt application on surfaces or in areas of temperatures over 275°F.

AVAILABILITY

Pittcote 600 B is available through Pittsburgh Corning Corporation in 5 and 55 gallon containers.

TYPICAL PROPERTIES AND PERFORMANCE

	600 B Spray	600 B Trowel
Recommended application temperature	60-100°F.	60-100°F.
Flash Point (ASTM D-93) minimum	100°F.	100°F.
Non-volatile (Federal Test Method 141) % minimum	50%	62%
Approximate weight, lbs./gal. @ 77°F.	7.5 lbs.	7.7 lbs.
Film shrinkage on curing, % approximate	30%	25%
Specific gravity @ 77°/77°F. cured film approximate	1.0	1.0
Dry to touch @ 80°F. 1/8" coat, minutes	30 minutes	30 minutes
Dry to touch @ 80°F. 1/4" coat, minutes	45 minutes	45 minutes
Dry film @ 80°F. 1/8" film, hours	24 hours	24 hours
Dry film @ 80°F. 1/4" film, hours	48 hours	48 hours
Sag of sprayed 1/8" film @ 77°F.	none	none
Sag of sprayed 1/4" film @ 77°F.	-	none
Sag of troweled 1/4" film at 77°F.	-	none
Flow of cured 1/4" film, @ 325°F.	none	none
Outdoor weathering performance	excellent	excellent
Fire resistance of cured film, 6" Bunsen flame applied 1 minute	excellent - self-extinguishing	excellent
Water vapor permeability @ 90°F., wet cup; grams per 100 sq.in. per 24 hrs., 1/8" cured film, 0-50% R.H.	0.20	0.25
Thermal conductivity of cured film, estimated, per hr.-sq.ft.-°F.-inch	1.5 BTU	1.5 BTU
Resistance to abrasion by sand-blast	excellent	excellent
Corrosion of steel, copper, aluminum	none	none
Resistance of coating to acids, 1/4" cured film immersed in 10% H ₂ SO ₄ , 10% HCl, and 10% to 65% solutions of H ₂ PO ₄ for 60 days	No appreciable attack. Not recommended for exposure to Nitric Acid or strong solutions of Acetic Acid.	No appreciable attack.
Resistance to alkalis, 1/4" cured film immersed for 60 days in solutions of 10% and 30% NaOH, 45% NH ₄ NO ₃ and saturated (NH ₄) ₂ SO ₄	No appreciable attack	No appreciable attack
Resistance to oils, greases and solvents	poor	poor
Service range of cured film	-20 to 275°F.	-20 to 275°F.