221

MATERIALS

MATERIAL SPECIFICATION
SERIES 200
BLANKET AND BAT

THERMAL INSULATION
STANDARD ENGINEERING SPECIFICATION

ISSUED OCT 1954
REVISED SEPTEMBER 1956

SN 200 M

Code	201	202	203
Material		Glass wool (plain)	Mineral wool felt
Material Description		Pure glass wool bats or rolls without binder.	Impregnated mineral wool felt with a waterproof binder.
Filler			
Binder		None	Waterproof binder
Temperature Range		100°F to 1000°F	-180°F to 180°F
K Factor		100°F - 0.30 max.	75°F - 0.35 max.
Density			
Compressive Strength			
Manufacturing Process			
Resistance to breakage in handling			
Dimensions			
Other Qualifications			

The following materials have proven satisfactory in field tests and proof has been furnished by the manufacturers that their product meets the above specifications.

		Fiberglas Owens-Corning Corp.	*Zerotex* Johns-Manville Sales Corp.

Vendors and merchandise designations are given to describe materials and may not include all acceptable products. Substitutions are to be made only on approval of the authority initiating the use of this Specification.

SUBCOMMITTEE NO 25

DUPONT

DUP 0838220

PLAINTIFF'S EXHIBIT
DUP-529

Code	204	205	206
Material	Mineral wool (plain)	Hair felt	Glass Fiber Blanket
Material Description	Slag wool obtained from lead smelting encased in mesh wire, mesh screen, window screen, metal lath or rib lath.	Selected cattle hair intertwined and felted into sheets.	Plain glass fibers laminated into blanket form.
Filler			
Binder			Phenolic
Temperature Range	110° F to 1100° F	to 180° F	0° F to 350° F
K Factor	500° F – 0.40 max.	75° F – 0.25 max.	70° F – 0.21 to 0.30
Density			1 to 3 lb. per cu. ft.
Compressive Strength			Low
Manufacturing Process			
Resistance to breakage in handling			Very good
Dimensions			
Other Qualifications		Shall be 100% selected cattle hair "Navy Std."	* **

The following materials have proven satisfactory in field tests and proof has been furnished by the manufacturers that their product meets the above specifications.

* Indicates fine short glass fibers. These materials should not be stapled below 2-pound density. ** Indicates long, large diameter glass fibers. These materials can be stapled at 1-pound densities and above.	*Style 201A* Eagle-Picher Sales Corp.	*Hair Felt* Johns-Manville Sales Corp.	*Ultralite* ** Gustin-Bacon Co.
	Rockwool Blanket Style 2A Baldwin-Hill Sales Corp.	*Hair Felt* Philip Carey Mfg. Co.	*Ultrafine* * Gustin-Bacon Co.
	Armatemp Blanket Armstrong Cork Co.	*Hair Felt* Armstrong Cork Co.	*Thermoglas* * Philip Carey Mfg. Co.
		Hair Felt Keasbey & Mattison Co.	*Fyne Fyber* * Baldwin-Hill Co.
		Hair Felt Rubberoid Co.	*Aerolag* * Johns-Manville Sales Corp.
		Standard Felt Ehret Magnesia Mfg. Co.	*Aerocor* * Owens-Corning Corp.
			Armaglas * Armstrong Cork Co.

Code	207	208	
Material	Glass Fiber Duct Liner	Urethane Blanket	
Material Description	Glass fibers laminated into blanket form and coated on one side with neoprene.	Precast resilent Urethane Foam manufactured from Polyester or Polyether and du Pont "Hylene." The material is cast in slab stock and slit to desired thickness by manufacturer.	
Filler			
Binder	Phenolic		
Temperature Range	40° F to 350° F	Minus 100°F to plus 250°F	
K Factor	70° F – 0.21 to 0.30	70°F – 0.21 to 0.27	
Density	1 1/2 to 3 lb. per cu. ft.	1 1/2 to 3 lb. per cu. ft.	
Compressive Strength	Low	Low – (resilent)	
Manufacturing Process		Blending, under precise quality controls	
Resistance to breakage in Handling	Very good	Excellent	
Dimensions		Width – 36 and 54" Thickness – 1/8 – 6" Length – up to 60'	
Other Qualifications	These materials are not normally fastened with staples. * **	Material shall have successfully passed humidity aging test.	

* Indicates fine short glass fibers

** Indicates long, large diameter glass fibers.

*** For vendors consult Purchasing Department, Wilmington.

Vendors ***

Ultralite ** Gustin-Bacon Co.	
Ultrafine * Gustin-Bacon Co.	
Thermoglas * Philip Carey Mfg. Co.	
Fyne Fyber * Baldwin-Hill Co.	
Aerolag * Johns-Manville Sales Corp.	
Aerocor * Owens-Corning Corp.	
Armaglas * Armstrong Cork Co.	