

## APPENDIX C

## MATERIAL STANDARDS

Materials listed in Appendix C are a partial listing of materials considered to meet the minimum requirements of the MPS. The list of approved incorporations by reference is published in the Code of Federal Regulations at 24 CFR Part 200 Appendix A.

507	THERMAL AND MOISTURE PROTECTION	
507-3	BUILDING INSULATION	
	Cork Board-----	FS HH-I-525A
	Cellular Glass-----	FS HH-I-551E
	Cellulosic, Vegetable or Wood Fiber-----	ASTM C 739-91
	Expanded Polystyrene Insulation Board-----	FS HH-I-524C
	Fiberboard-----	FS LLL-I-535B
		Class C or E
		or ASTM C 209-84
	Insulation Board (Urethane)-----	FS HH-I-530B
	Insulation Board, Thermal	
	(Mineral Aggregate)-----	FS HH-I-529B
		or ASTM C 726-88
	Insulation Board, Thermal, Faced,	
	Polyurethane or	
	Polyisocyanurate--FS HH-I-1972/GEN; 1; 2; 3; 4; 5; & 6	
	Mineral Fiber, Board (Roof)-----	FS HH-I-526C
	Mineral Fiber, Insulation Blanket-----	FS HH-I-521F
	Mineral Fiber, Pneumatic or Poured-----	FS HH-I-1030B
	Perimeter Insulation-----	FS HH-I-524C
		FS HH-I-558B
		Form A
		Class 1 or 2
	Reflective, Thermal-----	FS HH-I-1252B
	Cellulosic Fiber Insulating Board-----	PS 57-73
	Application of Structural Insulating Board	
	(Fiberboard) Sheathing-----	ASTM C 846-82
	Perlite-----	FSHH-I-574B
		or ASTM C 549-81
	Vermiculite (used as masonry wall filler)---FS HH-I-585C	
		Class 2
	(for other uses) ---	ASTM C 516-85
	Spray Applied Cellulosic Thermal Insulation----	UM 80-79
507-6	CAULKING AND SEALANTS	
	Elastomeric Type; Multi-Compound-----	FS TT-S-227B
	Elastomeric Type; Single-Compound-----	FS TT-S-230A
	Oil and Resin Base Type-----	FS TT-C-598B
	Silicone Rubber Base-----	FS TT-S-001543A

507-6 CAULKING AND SEALANTS - Continued

Butyl Rubber Base; Single-Compound----- FS TT-S-001657A  
Latex Sealing Compounds----- ASTM C 834-91  
Voluntary Specifications for Ductile  
Back-Bedding Glazing Tapes----- AAMA 800-92  
Voluntary Specifications for Non-Drying  
Sealants for Use with Architectural  
Aluminum----- AAMA 800-92  
Voluntary Specifications for Oil-Extended  
Cured Rubber Back-Bedding  
Glazing Tapes----- AAMA 800-92  
Cellular Neoprene----- ASTM C 509-91  
Specifications for Dense Rubber-like  
Compression Gasket Materials----- ASTM C 864-90

508 DOORS, WINDOWS, GLAZING PANELS

Metal Doors and Frames

Interior Steel Doors and Frames (flush)-----PS 4-66  
1 3/4 in. thick Steel Doors and Frames--- CS 242-62  
Aluminum Storm Doors----- ANSI/AAMA 1102.7-89

Wood Doors and Frames

Hardwood, Hardboard and Plastic Faced Flush  
Doors----- ANSI/NWWMA IS 1-87  
Interior Prehung Wood Door Units----- NSDJA 1-79  
Ponderosa Pine Doors----- ANSI/NWWMA IS 5-73  
Douglas Fir, Sitka Spruce and Western Hemlock  
Doors----- FHDA 7-79  
Wood Storm Doors----- ANSI/NWWMA IS 6-86  
Exterior Wood Door Frames----- WM 3-79

Special Doors

Aluminum Prime Windows----- ANSI/AAMA 101-88  
Wood Sliding Patio Doors----- ANSI/NWWMA IS 3-88

Metal Windows and Frames

Aluminum Prime Windows-----ANSI/AAMA 101-88  
Aluminum Insulating Storm  
Products-----ANSI/AAMA 1002.10-83  
Thermal Transmittance and Condensation  
Resistance of Windows, Doors and Glazed  
Wall Sections----- AAMA 1503.1-88  
Thermal Performance of Residential  
Windows and Sliding Glass Doors-----AAMA 1504-88

Wood Window Units----- ANSI/NWWMA IS 2-87

Hardware

Lockset----- ANSI A156.2-89  
Insect Wire Screenings----- IWS-089 or CS 138-55  
Screening, Insect, Non-metallic----- FS L-S-125B  
Insect Screening and Louver Cloth  
Woven from Vinyl-Coated Glass  
Fiber Yarn----- ANSI/ASTM D 3656-89

Glass and Other Glazing Panels

Acrylic Plastic Sheets Glazing----- UM 58a-75  
Glass----- FS DD-G-451D

Safety Standard for Architectural  
Glazing Materials----- CPSC 16 CFR  
Part 1201

Safety Glazing Material  
Used In Buildings----- SGCC Certified Products  
Directory

Tempered Glass----- FS-DD-G-1403B

509 FINISH MATERIALS

509-1 EXTERIOR WALL FINISHES

Aluminum----- AAMA 1402-86  
Fiberboard Shingle Backer----- ASTM C 208-82  
(1982) Class G  
Basic Hardboard (Revised 1988)----- ANSI/AHA A135.4-82  
Cellulosic Fiberboard----- ANSI/AHA 1-194.1-95  
Hardboard Siding----- ANSI/AHA 135.6-90  
Plywood----- PS 1-83  
Rigid PVC (polyvinyl chloride)----- ASTM D 3679-92  
Textured Plywood Panel Siding----- UM 64b-75  
Stucco (exterior plaster)----- ASTM C 926-90

509-2 FINISH FLOORING-RIGID

Ceramic Tile----- ANSI A137.1-88

Specification for Installation  
of Ceramic Tile----- ANSI A108.1A-92  
Terrazzo----- NTMA Specifications, Details and  
Technical Data - 1990

Block, Slat----- PS 27-70  
Laminated Hardwood Flooring----- ANSI/HPMA LHF-87  
Strip Oak Flooring----- NOFMA-OFGR/  
Vol. 1, No. 1-86 & 89 addendum

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RESILIENT FLOORING

Asphalt Tile (Type I) - Vinyl Tile (Type III)  
- Rubber Tile (Type IV)----- ASTM F 1344-91  
Linoleum----- FS LLL-F-1238A  
Rotovinyls (Unfilled Vinyl Sheet)----- FS L-F-001641-71  
Backed Vinyl Plastic Sheet  
or Tile (Grade C)----- FS L-F-475A  
Homogenous Vinyl Sheet----- FS L-F-00450A  
Underlayment  
Basic Hardboard----- ANSI/AHA A135.4-88  
Particleboard (Grade 1-M-1)----- ANSI A 208.1-89  
ASTM D 1037-89  
Plywood----- PS 1-83

511

EQUIPMENT

Minimum Construction Performance  
Standards for Kitchen Cabinets----- ANSI A 161.1-86

515

MECHANICAL

515-7

SPECIAL PIPING SYSTEMS

Gas Piping----- NFPA 54-92 & 58-92

515-8

WATER SUPPLY SYSTEM

Water Softeners----- WQA S 100-85  
Water Filters----- WQA S 200-88  
Point-of-Use, Low  
Pressure Reverse Osmosis  
Water System----- WQA S 300-84  
Point-of-Use, Distillation  
Drinking Water----- WQA S 400-86  
Community Water Systems  
Minimum Design Standards for  
Community Water Supply  
Systems----- HUD Handbook 4940.2 8-73

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SEWAGE DISPOSAL SYSTEM

Community Sewage Systems  
Minimum Design Standards for  
Community Sewage  
Systems----- HUD Handbook 4940.3 Rev. 1-12/92