

GENERAL:

1. To provide minimum standards for design and installation of mechanical insulation products for piping that will be durable, functional and reduce failures the life of the facility.

DESIGN GUIDELINES:

1. Flame/Smoke Ratings: Provide composite mechanical insulation (insulation, jackets, coverings, sealers, mastics and adhesives) with flame-spread index of 25 or less, and smoke-developed index of 50 or less, as tested by ASTM E 84 (NFPA 255) method.
 - a. Exception: Outdoor mechanical insulation may have flame spread index of 75 and smoke developed index of 150.
2. Insulation thickness shall comply with ASHRAE 90.1 or the table below whichever is greater.

PLUMBING SYSTEM INSULATION REQUIREMENTS

System Type	Insulation Material	Jacket*	Run-outs	Branches, Mains, and Loops				
				Pipe Diameter (inches)				
				<1	1-1¼	1½-3	4-6	8>
				Insulation Thickness (inches)				
Domestic Hot and Cold Water, Mains and branches	¾" Flexible Elastomeric	Not required	¾"	¾"	¾"	¾"	¾"	¾"
Lavatory traps and drains	¾" Flexible Elastomeric	Not required	¾"	¾"	¾"	¾"	¾"	¾"
Fluiddrains and local HVAC equipment	¾" Flexible Elastomeric	Not required	¾"	¾"	¾"	¾"	¾"	¾"

*Jackets are required in some local HVAC equipment

HYDRA

PIPING INSULATION SPECIFICATIONS

1. Installation

insulating system being installed (i.e. for Armaflex, use Amafix.)