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Standard Guide for Selection and Use of Keywords for Thermal Insulation Test Methods and Standards¹

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1. Scope

1.1 This guide has been prepared for use by ASTM technical committees and others in the preparation of ASTM standards pertaining to thermal insulations and to materials associated with them.

1.2 The keywords appear in alphabetical order.

1.3 All ASTM standards require a list of appropriate terms for indexing called Keywords. Keywords shall be listed at the end of the draft standard and will appear in the published document.

2. Significance and Use

2.1 The purpose of the keyword list is to provide a standard set of words that can be used in the preparation and reference of documents. Keywords are used to search for information.

2.2 Keywords are not defined in this guide.

2.3 Words referring to the singular include the plural also.

3. Keywords

3.1

absorption
acoustical
adhesion
adhesive
aircraft
aluminum
aluminum foil
apparent
application
austenitic stainless steel
backer board
batts
black body
blanket
block
board
boil-off calorimeter

breaking load
breaking strength
bubble-pack insulation
bubble-pack reflective insulation
building envelope
building insulation
building technology
bulk density
burn potential
calcium silicate
calculated energy savings
calibration
calorimeter
ceiling panels
ceiling tiles
cellular glass
cellular materials
cellular plastic
cellular polystyrene
cellulose
cellulosic fiber
cement
chemical analysis
chloride
coatings
composite
composite foam insulation board
compressive pressure
compressive resistance
compressive strength
computer program
conditioning
consistency
construction and installation
convergence factor
cork
corrosion
cracking
cryogenic temperatures
curing
data time interval
deflection

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deformation	hot-box
delamination	hot-surface performance
density	humid aging
design	hydraulic-setting
design density	immersion
dished head segment	in-situ measurement
doors	industrial application
duct liner	infrared inspection
duct work	inorganic fiber
ducts and equipment	instrument verification
dust	insulating cement
dynamic measurement	insulation
electrolytic copper	insulation cover
elevated temperature	insulation system
emittance	interior radiation control coatings
error analysis	intermediate density sheathing
evacuated insulation	interpretation of field data
evacuated reflective insulation	IR emittance
expanded perlite	jacketing material
expanded vermiculite	laminate
expansion	leachable chlorides
experimental design	length
exterior exposure test	light frame construction
faced foam board	line source heater
faced insulation	linear changes
facing	linearity
felt	lining
fenestration	loading tests
fibrous glass	loose fill
finishing	low emittance
fire resistive	low permeance
flanking loss	low temperature insulation
flexibility	low-density
flexible	manufactured housing
flexural strength	mass loss
fluoride	mastic
foam	material
foil laminates	mathematical model
frame construction	mean test temperature
friability	mechanical process
full scale testing	membrane-faced
fungi resistance	metal building
glass fiber	metal-mesh covered
granular	metallic reflective insulation
granular loose-fill	method of mixtures
guarded hot plate apparatus	mineral fiber
health hazards	minimum use temperature
heat	modulus of elasticity
heat flow	modulus of rupture (MOR)
heat flow meter apparatus	moisture content
heat flux	molded
heat flux transducer	mounting of heat flux transducers
heat gain	multi-foil insulation
heat loss	multilayer insulations
heat transfer	normal emittance
hemispherical	nuclear power plant
high temperature calculation	outdoor service vessel
high temperature insulation	paint-high reflectance