

# INTERNATIONAL CODE QUICK REFERENCE CHART

	VINYL SIDING	INSULATED VINYL SIDING	POLYPROPYLENE SIDING
INTERNATIONAL RESIDENTIAL CODE	<b>PRODUCT REQUIREMENTS</b> Products must be certified and labeled to show they conform to their established ASTM standard.		
	ASTM D3679	ASTM D7793	ASTM D7254
	<b>INSTALLATION REQUIREMENTS</b> Table R703.3 (1) provides prescriptive and performance installation requirements.		
	In general, vinyl siding is installed 16" on center using roofing nails, although variations of this can be done.	In general, insulated vinyl siding is installed 16" on center using roofing nails, although variations of this can be done.	Polypropylene siding panels range in size and are unique. Manufacturer's installation instructions should be reviewed because in many cases it may be less than 16" on center. It must be installed over some type of wood sheathing.
	<b>VINYL SOFFIT USE</b>	R703.3.1 requires vinyl soffit panels must be designed to meet the appropriate design pressure in high wind areas. R703.3.1.2 requires that each soffit panel be fastened at both the fascia and wall, and that there be no unsupported spans greater than 16" without the use of an intermediate nailing strip. Where soffit is being used in high wind areas, IRC Section R703.3.2 requires soffit to be designed to resist component and cladding loads specified in Table R301.2(2).	
	<b>CONSIDERATIONS AND CONDITIONS FOR USE IN HIGH DENSITY DEVELOPMENTS</b> In general, polymeric cladding is not limited in its application with homes built under the IRC.		
			IRC R703.14.2 limits the use of polypropylene siding in certain high-density applications unless the product has a certified E84 flame spread test report.
INTERNATIONAL BUILDING CODE	<b>PRODUCT REQUIREMENTS</b> Products must be certified and labeled to show they conform to their established ASTM standard.		
	ASTM D3679	Not addressed in IBC, building officials should rely on code compliance reports.	ASTM D7254
	Counts vinyl siding and polypropylene siding as vented claddings and allows the elimination of plastic vapor retarders because of their strong moisture management characteristics.		Counts vinyl siding and polypropylene siding as vented claddings and allows the elimination of plastic vapor retarders because of their strong moisture management characteristics.
			When installing polypropylene siding in high-density settings (less than 5 feet to property line), product must have a certified E84 flame spread test report.
	<b>INSTALLATION REQUIREMENTS</b> 1404 provides prescriptive and performance installation instructions.		
	Prescriptive requirements for vinyl siding installation, non-corrosive roofing nails that can penetrate the nailable substrate at least 1 1/4", must be spaced no more than 16" horizontally, 12" vertically and according to the manufactured installation instructions.	Not addressed in IBC, building officials should rely on code compliance reports.	Requires polypropylene siding to be installed in accordance with the manufacturer's installation instructions.
	In general, vinyl siding is installed 16" on center using roofing nails, although variations of this can be done.		Polypropylene siding panels range in size and are unique. Manufacturer's installation instructions should be reviewed because in many cases it may be less than 16" on center. It must be installed over some type of wood sheathing.
<b>CONSIDERATIONS AND CONDITIONS FOR USE IN HIGH DENSITY DEVELOPMENTS AND WITH NONCOMBUSTIBLE CONSTRUCTION</b> In general, the use of polymeric cladding is allowed in all types of construction, however when used with noncombustible construction test results are required to be demonstrated according with section 1406.			
Allowed on buildings where the ASD wind speed does not exceed 100 mph and the building height is 40 feet or less in Exposure C, or about 30 psf design pressure.	Will be listed in the code compliance report.	Allowed on buildings where the ASD wind speed does not exceed 100 mph and the building height is 40 feet or less in Exposure C, or about 30 psf design pressure.	
INTERNATIONAL ENERGY CONSERVATION CODE		Can be used as continuous insulation outside of the building framing to meet the R-Value/ U-factor requirements.	
INTERNATIONAL WILDLAND-URBAN INTERFACE CODE	Polymeric cladding is allowed for use under this code in all conditions with certain performance requirements.		