INTERNATIONAL CODE QUICK REFERENCE CHART

	VINYL SIDING	INSULATED VINYL SIDING	POLYPROPYLENE SIDING
INTERNATIONAL RESIDENTIAL CODE	**PRODUCT REQUIREMENTS** Products must be certified and labeled to show they conform to their established ASTM standard.		
	ASTM D3679	ASTM D7793	ASTM D7254
	INSTALLATION REQUIREMENTS 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.
	VINYL SOFFIT USE	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).	
	CONSIDERATIONS AND CONDITIONS FOR USE IN HIGH DENSITY DEVELOPMENTS 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	**PRODUCT REQUIREMENTS** 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.
	INSTALLATION REQUIREMENTS 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.
	CONSIDERATIONS AND CONDITIONS FOR USE IN HIGH DENSITY DEVELOPMENTS AND WITH NONCOMBUSTIBLE CONSTRUCTION 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.		

FLORIDA BUILDING CODE QUICK REFERENCE CHART

	VINYL SIDING	INSULATED VINYL SIDING	POLYPROPYLENE SIDING
FLORIDA RESIDENTIAL CODE	**PRODUCT REQUIREMENTS** Products must be certified and labeled to show they conform to their established ASTM standard.		
	ASTM D3679	ASTM D7793	ASTM D7254
	INSTALLATION REQUIREMENTS 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.	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.
			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.
	Prescriptive requirements for installation, noncorrosive roofing nail at least 1 1/4" long, (although the code currently only requires 3/4") must be spaced no more than 16", 12" vertically.	Manufacturers installation instructions must be followed for proper installation of insulated vinyl siding.	Manufacturers installation instructions must be followed for proper installation of polypropylene siding.
	VINYL SOFFIT USE	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 inches 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). R301.9 requires cladding and soffit to meet the wind loads in the code R704.2. Must install soffit per prescription (see Coastal Specification on page 17).	
	CONSIDERATIONS AND CONDITIONS FOR USE IN HIGH DENSITY DEVELOPMENTS In general, polymeric cladding is not limited in its application with homes built under the 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.
FLORIDA BUILDING CODE	**PRODUCT REQUIREMENTS** 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.
	Limits vinyl siding, unless shown to be able to perform, to 40 foot high buildings.		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.
	INSTALLATION REQUIREMENTS IBC 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.
	CONSIDERATIONS AND CONDITIONS FOR USE IN HIGH DENSITY DEVELOPMENTS AND WITH NONCOMBUSTIBLE CONSTRUCTION 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 the IBC 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 36 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 36 psf design pressure.**
FLORIDA ENERGY CODE		Insulated vinyl siding with an minimum R-2 can be used for energy code compliance as a form of continues insulation.	
INTERNATIONAL WILDLAND-URBAN INTERFACE CODE	Polymeric cladding is allowed for use under this code in all conditions with certain performance requirements.		

NATIONAL BUILDING CODE OF CANADA QUICK REFERENCE CHART

	VINYL SIDING	INSULATED VINYL SIDING	POLYPROPYLENE SIDING
NATIONAL BUILDING CODE OF CANADA (NBCC)	**PRODUCT REQUIREMENTS** Products must be certified and labeled to show they conform to their established ASTM standard.		
	ASTM D3679	ASTM D7793	ASTM D7254
	INSTALLATION REQUIREMENTS NBCC 9.27 provides prescriptive and performance installation requirements.		
	Flame spread rating when required by code.	Flame spread rating when required by code.	Flame spread rating when required by code.
	Fasteners shall be installed in the center of the nail slot.		
	Fasteners must be installed into a nail-holding base 32 mm (into framing).		
	Requires nails to be a minimum of 38 mm long and spaced no more than 400 mm apart.		
	VINYL SOFFIT USE	Vinyl soffit shall be manufactured in accordance with ASTM D4477. Requires vinyl siding, insulated vinyl siding and soffit to have flame spread rating when required by the code.	

QUICK ACCESS TO CODE PLAN REVIEW RESOURCES

Stay compliant by following the building code guidelines. Use resources in this guide, the VSI Installation Manual and other code resources to simplify the inspection process for exterior polymeric cladding products.

You can refer to the following websites for more information:

www.iccsafe.org

https://nrc.canada.ca/en/certifications-evaluations-standards/codes-canada

www.floridabuilding.org