



FORTIFIED Home™
Corrosion Protection Requirements for Fasteners & Connectors in Coastal Regions
 For all connections described in this table: if corrosion is observed at time of re-designation, designation may not be renewed.

Requirements & Best Practices for FORTIFIED Roof™ Designations		BEST PRACTICES
REQUIREMENTS		
ROOF CONNECTIONS	Distance to saltwater shoreline ¹ 0-300 ft	Distance to brackish water shoreline 0-300 ft
Roofing nails for shingles	Category A	Category B (or better)
Concrete and clay roof tile fasteners	Category A	Category B (or better)
Roof vent fasteners	Category A	Category B (or better)
Metal roof system including panels and exposed fasteners, clips, etc.	Follow manufacturer's corrosion resistance guidance for coastal areas. If not provided by manufacturer, the following corrosion resistance categories may be accepted for exposed fasteners and clips	Category B (or better)
Fasteners used for attachment of underlayment to roof deck	Category B (or better)	
Roof-mounted equipment exposed connections and fasteners	Category A	Category B (or better)
REQUIREMENTS		
EXTERIOR EXPOSED CONNECTIONS (including under soffits and elevated foundations)	Distance to saltwater shoreline ¹ 0-300 ft	Distance to brackish water shoreline 0-300 ft
Silver:	Category A	Category B (or better)
• Soffit fasteners	Aluminum Soffits	Aluminum Soffits
• Exposed attached structure connectors, anchors, fasteners	NOT Allowed	Allowed
Gold: Exposed CLP connectors, anchors, fasteners		
REQUIREMENTS		
INTERIOR CONNECTIONS (including enclosed in attic or within wall cavity)	Distance to saltwater shoreline ¹ 0-300 ft	Distance to brackish water shoreline 0-300 ft
Silver:	Category B (or better)	Category C (or better)
• Gable bracing metal connectors and fasteners	Category C (or better)	
• Gable outlooker hangers, clips and fasteners		
• Chimney framing metal connectors and fasteners		
Gold: Enclosed CLP connectors, anchors, fasteners		
REQUIREMENTS		
CATEGORY A - STAINLESS STEEL OR EQUIVALENT	CATEGORY B - ENHANCED GALVANIZED OR EQUIVALENT	CATEGORY C - STANDARD GALVANIZED
Metal connectors:	Metal connectors:	Metal connectors:
• Stainless steel per ASTM A316	• Galvanized per ASTM A653 with G185 coating	• Galvanized per ASTM A653 with G90 coating
Fasteners:	• Hot-dip galvanized per ASTM A123	Fasteners:
• Stainless steel per ASTM A304 or A316	Fasteners with diameters over 3/8 in.:	• Galvanized per ASTM A641 Class 1
• Proprietary coated fasteners require documentation of equivalent corrosion protection performance to stainless steel, such as equivalence testing per ICC-ES AC257 Exposure Condition 4, or other comparative testing documentation	• Hot-dip galvanized per ASTM A153 Class C	• Galvanized per ASTM A641 Class 1
	Fasteners with diameters up to 3/8 in. shall meet one of the following:	
	• Hot-dip galvanized per ASTM A153 Class D	
	• Per ASTM G85, Annex 5, Corrosion resistance exhibiting not more than 5% red rust after the following:	
	— for nails: 280 hours	
	— for roof tile fasteners: 1000 hours	
	— for other carbon steel fasteners: 360 hours	
	• In lieu of testing listed above, proprietary coated fasteners require documentation of equivalent or superior corrosion protection performance to the galvanization options listed above, such as equivalence testing per ICC-ES AC257 Exposure Condition 4, or other comparative testing documentation	
	• Testing per ASTM B117 with corrosion resistance exhibiting not more than 5% red rust after 1,000 hours exposure may be accepted if no other testing is available	
NOTES		
1. For the purposes of FORTIFIED Home designation, "saltwater shoreline" shall be considered as the ocean or gulf coastline along the mainland United States including seaward island coastlines. This includes the Atlantic, Pacific, and Gulf of Mexico coastlines, as well as the coastline of any Bay or Sound with no land barrier separating it from being completely open to the ocean or Gulf of Mexico. Distances are measured from the closest feature of the subject building to the ocean or gulf coastline.		
2. Fastener and connector materials and coatings must be compatible with materials and coatings they come into contact with to prevent galvanic corrosion due to dissimilar materials.		
3. Fasteners in contact with chemically treated wood shall be in accordance with the requirements of the IBC/IRC or locally adopted code as applicable.		

APPLICABLE STANDARDS:
 FORTIFIED HOME™ - HURRICANE (2025)
 FORTIFIED HOME™ - HIGH WIND (2025)

DESCRIPTION:
 CORROSION PROTECTION
 REQUIREMENTS

DRAWING #:
 F-G-1

DATE: 11/01/2024