

Approved HP Dowel Bar Materials

Date last edited: 10/4/2022

Material	Approval Date	Product	Vendor
CONFIGURATION: Solid MIN. DIAMETER: PER PLAN CORE/TUBE MATERIAL: ASTM A615 Grade 60 CLADDING MATERIAL: METALLURGICALLY-CLAD ASTM A240 Grade 316L MIN. CLADDING THICKNESS: 0.060" COATING: N/A	2/15/2018	Non-proprietary	N/A
CONFIGURATION: Solid MIN. DIAMETER: PER PLAN CORE/TUBE MATERIAL: ASTM A615 Grade 60 CLADDING MATERIAL: N/A MIN. CLADDING THICKNESS: N/A COATING: Multi-layer Epoxy, Abrasion-Resistant over ASTM A934	5/15/2018	Armour Coat Solid Dowel Bar	Simplex
CONFIGURATION: Solid MIN. DIAMETER: PER PLAN CORE/TUBE MATERIAL: ASTM A615 Grade 60 CLADDING MATERIAL: ADHESIVE-BONDED ASTM A249 Grade TP316L MIN. CLADDING THICKNESS: 0.035" COATING: N/A	2/15/2018	CMI Dowel - or equal -	Construction Materials Inc.
CONFIGURATION: Solid MIN. DIAMETER: PER PLAN CORE/TUBE MATERIAL: ASTM A615 Grade 60 CLADDING MATERIAL: ASTM B6 ROLLED ZINC ALLOY (UNS Z41121) MIN. CLADDING THICKNESS: 0.040" COATING: N/A	2/15/2018	LifeDowel Type 1 (or equal) - or equal -	Jarden Zinc Products
CONFIGURATION: Tube MIN. DIAMETER: 1.3"/Min. Wall Thickness 0.118" CORE/TUBE MATERIAL: ASTM A513 CLADDING MATERIAL: ASTM B6 ROLLED ZINC ALLOY (UNS Z41121) MIN. CLADDING THICKNESS: 0.035" COATING: N/A	2/15/2018	LifeDowel Type 2 (hollow) - or equal -	Jarden Zinc Products
CONFIGURATION: Tube MIN. DIAMETER: 1.3" CORE/TUBE MATERIAL: ASTM A513, min. fy=60ksi, Min Wall Thickness=0.120" CLADDING MATERIAL: N/A COATING: Both the inside and outside of the tubes shall be zinc coated with G90 galvanizing in accordance with ASTM A 653. Following zinc coating the exterior of the tubes shall be coated in accordance with ASTM A 1078 Type 2 epoxy coating process using ASTM A 934 epoxy powder with 8-12 mil thickness and purple color. The ends of the tube shall be capped to prevent intrusion of concrete or other materials.	10/8/2021	O-Dowel - or equal -	O-Dowel Inc.

- Use only one type of HP dowel bar on the contract
- Minimum bar length is 18 inches
- At least two weeks prior to use, submit to the engineer the proposed material source, technical specifications, and Buy America compliance information to the engineer for review and approval. Do not install bars prior to receipt of project-level approval.

Contact:

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