AUGER FASTENERS

DESCRIPTION:

Duro-Last® approves Auger Fasteners for mechanical fastening of Duro-Last Roofing Systems. Auger Fasteners can be used with cementitious wood fiber (known as "CWF" or Tectum®) and gypsum decks.

Auger Fasteners are made from glass-filled nylon and have an internal square drive. Accompanying 2-inch (51-mm) metal plates are coated in AZ-55 Galvalume®.

FM APPROVED

MIAMI-DADE COUNTY APPROVED

Florida dbpr Department of Business & Professional Regulation



STORAGE AND HANDLING

Always store in a dry location protected from the elements.

INSTALLATION

- For gypsum decks, a 3/8- to 7/16-inch (10- to 12-mm) pilot hole is required.
- Install the fasteners using a screw gun.
  - Use included 1/4-inch (6-mm) square-drive bit.
- Fasteners must penetrate at least 1-1/2 inches (38 mm) into all decks.
  - Fasteners must not protrude beyond the deck.
  - Refer to AVERAGE PULLOUT TABLE BY DECK TYPE table for FM requirements.

PERFORMANCE DATA

Property	Standard	Value Lbf (N)
Tensile Strength	ASTM F606-10	4,200 (18,682.5)
Shear Strength	NASM 1312-20	875 (3,892.19)
Corrosion Resistance	FM 4470, DIN 60018	< 15% red rust

AVERAGE PULLOUT VALUE BY DECK TYPE
NEW CONSTRUCTION

Deck Type	Minimum Embedment Depth Inch (mm)	Avg Pullout Value Lbf (N)	Pre-Drill Diameter* Inch (mm)
CWF	1-1/2 (38)	280 (1,245.50)	N/A
	2 (51) (FM requirement)	440 (1,957.22)	N/A
	2-1/2 (64)	595 (2,646.70)	N/A
Gypsum	1-1/2 (38)	350 (1,556.88)	3/8 – 7/16 (10 – 12)
	2 (51) (FM requirement)	540 (2,402.04)	3/8 – 7/16 (10 – 12)

*A pre-drilled 5/8-inch (16-mm) clearance hole is necessary only when plywood or other rigid materials are fastened to a roof deck. A plate is not required in this application.

AUGER FASTENER ORDERING
Plates included with screws

Total Length Inch (mm)	Thread Length Inch (mm)	Quantity (Per Pail)	Item Number
2 (51)	1.44 (37)	500	1751
2.5 (64)	1.94 (50)	500	1752
3 (76)	2.30 (58)	500	1753
3.5 (89)	2.30 (58)	500	1754
4 (102)	2.30 (58)	500	1755
4.5 (114)	2.30 (58)	500	1756
5 (127)	2.30 (58)	500	1757
5.5 (140)	2.30 (58)	500	1758
6 (152)	2.30 (58)	500	1759
6.5 (165)	2.30 (58)	500	1760
7 (178)	2.30 (58)	250	1761
7.5 (191)	2.30 (58)	250	1762
8 (203)	2.30 (58)	250	1763
8.5 (216)	2.30 (58)	250	1764
9 (229)	2.30 (58)	250	1765
10 (254)	2.30 (58)	250	1766
11 (279)*	2.30 (58)	250	1767
12 (305)*	2.30 (58)	250	1768
13 (330)*	2.30 (58)	250	1769
14 (355)*	2.30 (58)	250	1770
2 (51) Diameter Plate	N/A	500	1750 (Additional plates, if needed)
1/4 (6) Auger Bit (Square Drive)	N/A	Individual	1749

*Drop-ship only. Contact Duro-Last sales for lead times.
One bit is supplied in each box of Auger Fasteners.

Duro-Last, the "World's Best Roof", and Amrize are trademarks in the Amrize Technology Switzerland LLC, or its affiliates' portfolio.
All other trademarks are property of their respective owners. Duro-Last is a brand of Amrize Building Envelope LLC. Created: 01/05/2015 Revised: 10/28/2026