

Profile Details

The FR-10 is a surface-mounted aluminum expansion joint system with a durable rubber insert, designed for walls, ceilings, and floors in interior applications. Its straightforward installation and flexible insert provide reliable performance while maintaining a neat appearance.



Application

The FR-10 functions as a surface-mounted cover system that accommodates structural and thermal movements while preserving continuity across walls, ceilings, and interior floors. The integrated rubber insert ensures flexibility, resilience, and a clean finish, making it suitable for interior spaces such as corridors, lobbies, offices, and institutional facilities where movement absorption and aesthetics are equally important.

Material & Finish

The FR-10 is manufactured from high-grade aluminum alloy 6063-T6, in compliance with ASTM B-221/B-221M, and fitted with a rubber insert available in black, grey, and beige. Available finishes include anodized, mill, and brushed aluminum, with optional powder coating to match project needs."

Compatibility

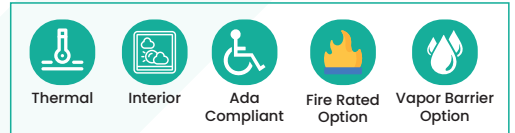
The FR-10 is compatible with a wide range of interior finishes such as gypsum, plaster, tile, vinyl, and stone. Its surface-mounted design makes it suitable for retrofit works as well as new interior construction.

Optional Accessory

The FR-10 can be supplied with PVC or EPDM vapor barriers for added moisture protection where required. Fire barriers (rope or blanket type) may also be integrated for fire-rated interior projects.

Profile Guide

Surface Mounted Expansion Joint System for Walls, Ceiling and Flooring Applications / -30 to 120 degrees



Application	Joint Width (mm)	Fram Height (H) (mm)	Sightline (S) (mm)
Floor	30	28.3	130 (F) 80 (C)
	50	28.3	150 (F) 100 (C)
	75	28.3	175 (F) 125 (C)
	100	28.3	200 (F) 150 (C)
	150	28.3	250 (F) 200 (C)
	Wall & Ceiling	30	12.7
50		12.7	150 (F) 100 (C)
75		12.7	175 (F) 125 (C)
100		12.7	200 (F) 150 (C)
150		12.7	250 (F) 200 (C)

Materials Specifications

Chemical Composition 6063

Application	Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr
Composition of 6063 as per ASTM B-221	0.2-0.6	0.35	0.1	0.1	0.45-0.9	0.1	0.1	0.1

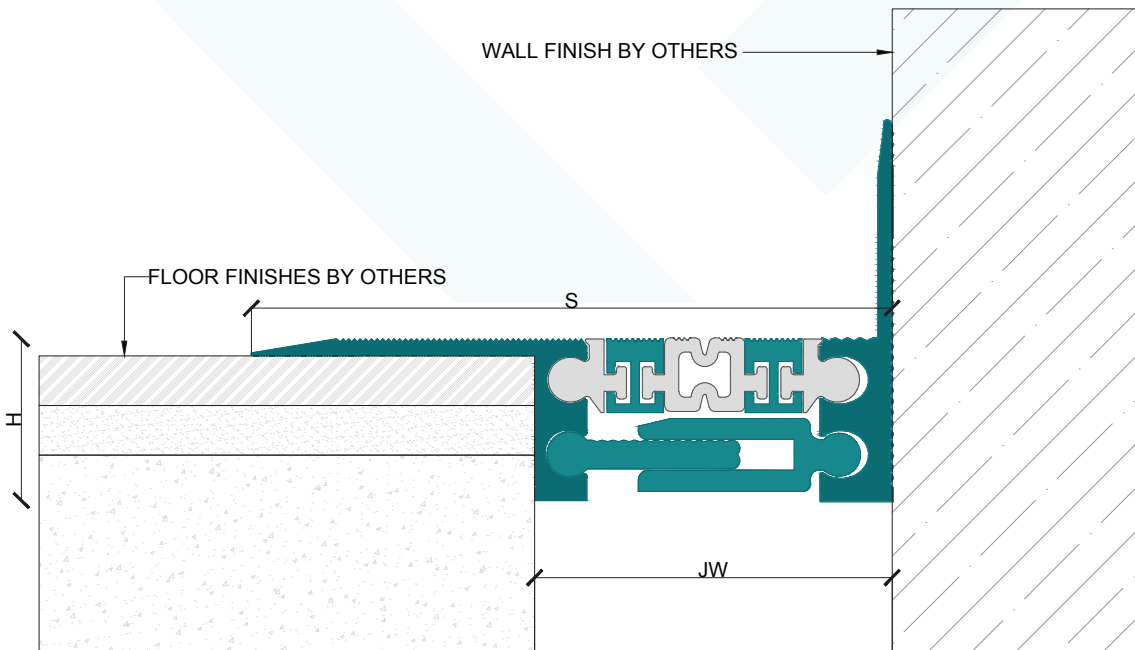
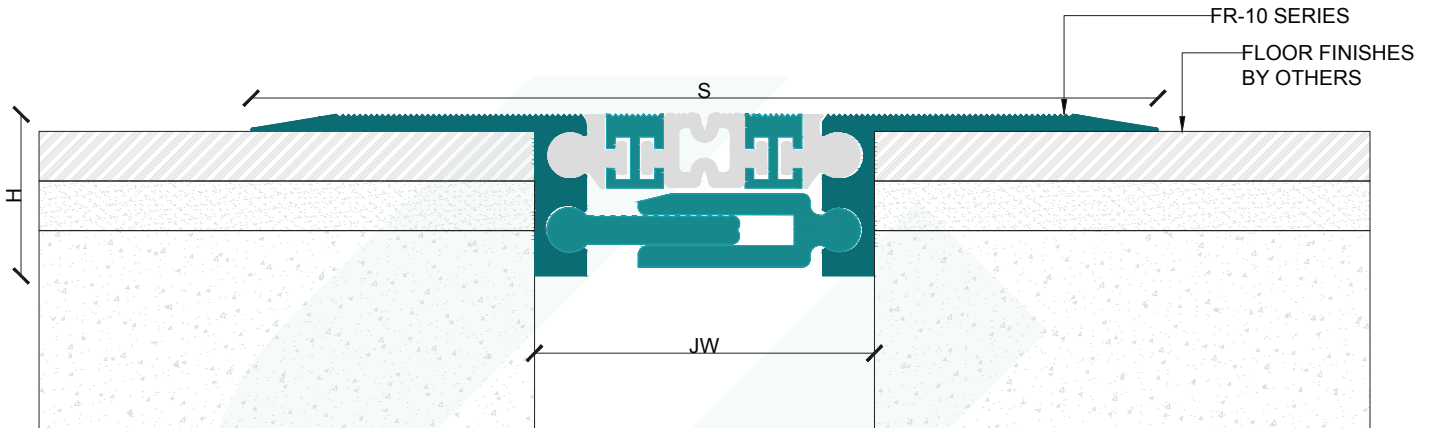
Materials Specifications

Physical Properties 6063-T6

Specialties	Unit	Value
Density	gm/cm ³	2.71
Tensile Strength	MPA	206
Elongation in 2 inch or 50 mm	Percent	8%
Yield Strength	MPA	172

Materials Specifications

FLAT-CORNER



Materials Specifications

FLAT-CORNER

