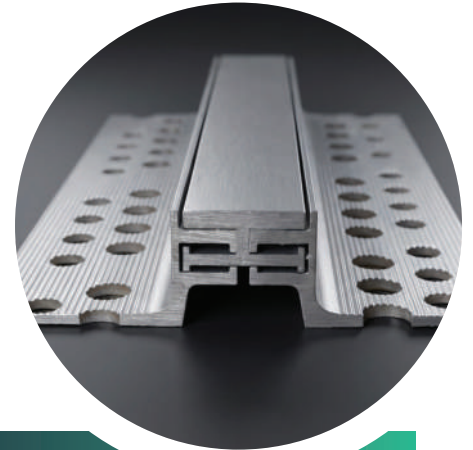


Profile Details

The FR-04 is a complete aluminum expansion joint system designed for recessed or flush-mounted installations. Available with frame heights of 15 mm, 30 mm, and 50 mm, it provides flexibility to match project-specific requirements while delivering strength, durability, and a seamless finish.



Application

The FR-04 functions as a recessed-mounted expansion joint system that accommodates structural and thermal movements while maintaining a smooth and continuous surface. Its multiple frame height options (15 mm, 30 mm, 50 mm) allow adaptability to different floor and wall finishes. The system is suitable for commercial buildings, institutional facilities, and public areas where reliable performance, load-bearing capacity, and aesthetic integration are essential.

Material & Finish

The FR-04 is manufactured from high-grade aluminum alloy 6063-T6 in compliance with ASTM B-221/B-221M. It is available in anodized, mill, and brushed finishes, with optional powder coating to meet project-specific requirements.

Compatibility

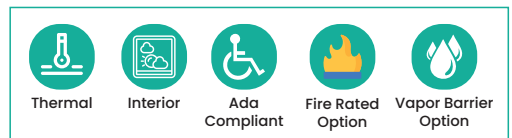
The FR-04 is compatible with a wide range of finishes, including tile, marble, terrazzo, vinyl, and concrete. Its recessed design makes it suitable for both new construction and retrofit applications where a flush-mounted system is required with flexibility in frame height selection.

Optional Accessory

The FR-04 can be complemented with PVC or EPDM vapor barriers to prevent moisture penetration. For fire-rated applications, compatible fire barriers (rope or blanket type) may be incorporated to meet project fire safety requirements.

Profile Guide

All Aluminum Recessed Mounted Expansion joint System for Flooring Applications



Application	Joint Width (mm)	Fram Height (H) (mm)	Sightline (S) (mm)
Floor	20	15, 30 & 50	25 (F)
	30	15, 30 & 50	35 (F)

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

