SEISMIC JOINT COVER ASSEMBLIES

Presented by

Construction Specialties®

LEARNING OBJECTIVES

After this presentation, you will understand…

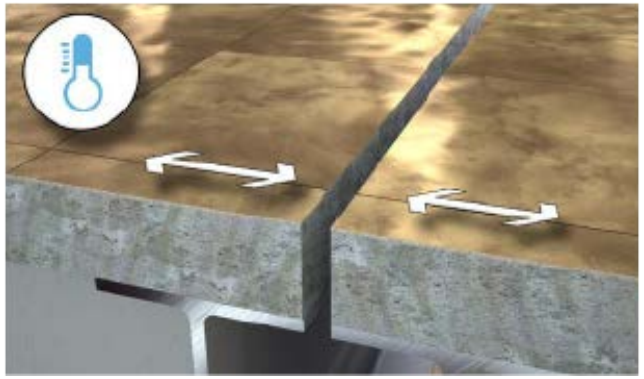
- The four different types of movement
- How to properly size an expansion joint and choose the proper system in a specific application
- How to maintain critical elements like fire rating and moisture resistance where large joints interrupt building elements.

GETTING STARTED

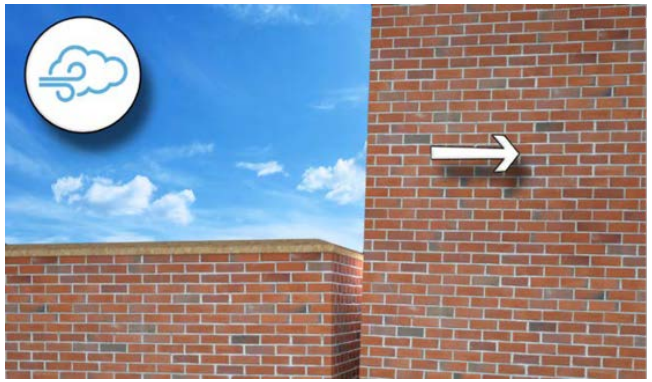
Joint Sizing & Movement


dōTERRA
BUILDING
A & B
RECEPTION
CORPORATE
OFFICES
YANKEE CANDLE
SALE

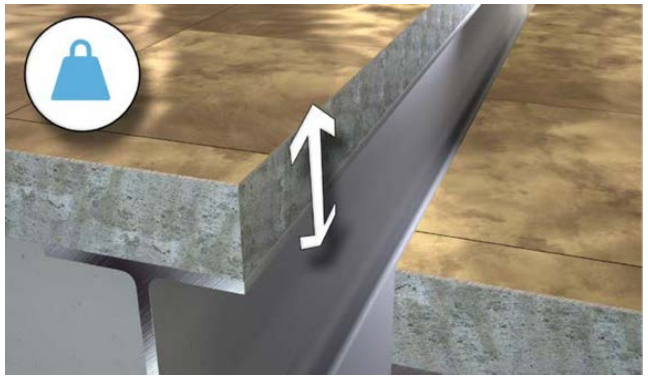
MOVEMENT BASICS



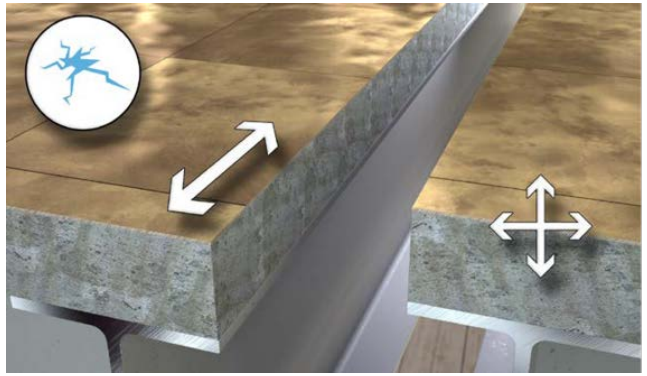
Thermal



Wind Sway



Settlement



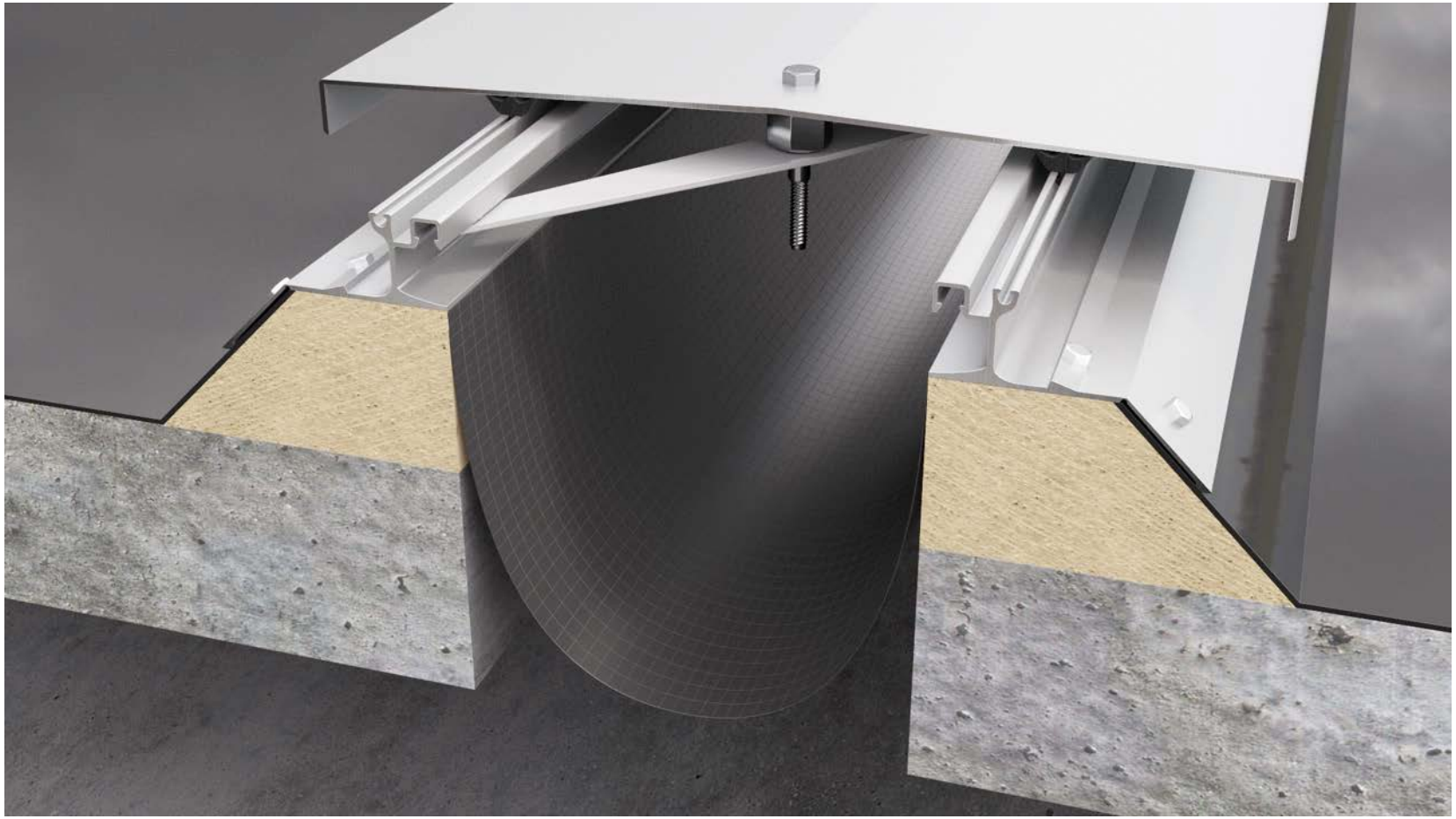
Seismic

EXPANSION JOINT COVER SYSTEMS

Seismic Covers

INTERIOR COVERS - SEISMIC

ROOF COVERS - ALUMINUM



ROOF COVERS - ALUMINUM

EXPANSION JOINT COVER SYSTEMS

Fire Rating &Testing

FIRE BARRIER – WHY IS IT REQUIRED?

FIRE BARRIER – STATIC VS DYNAMIC

Parameters	“S” Designation	”D” Designation
	FF-S-0000	FF-D-0000
Static	✓	
Cycle Tested		✓
Listing	ASTM E 119, UL 253	ASTM E 1966, UL 2079

FIRE BARRIER – TESTING

ASTM E1966 (UL 2079)

- Combined movement (ASTM E1399) & fire (ASTM E119), using the same fire barrier
- Up to 500 movement cycles
- Wall tests are subject to hose stream after fire test

WHY AVOID 0”?

QUESTIONS?

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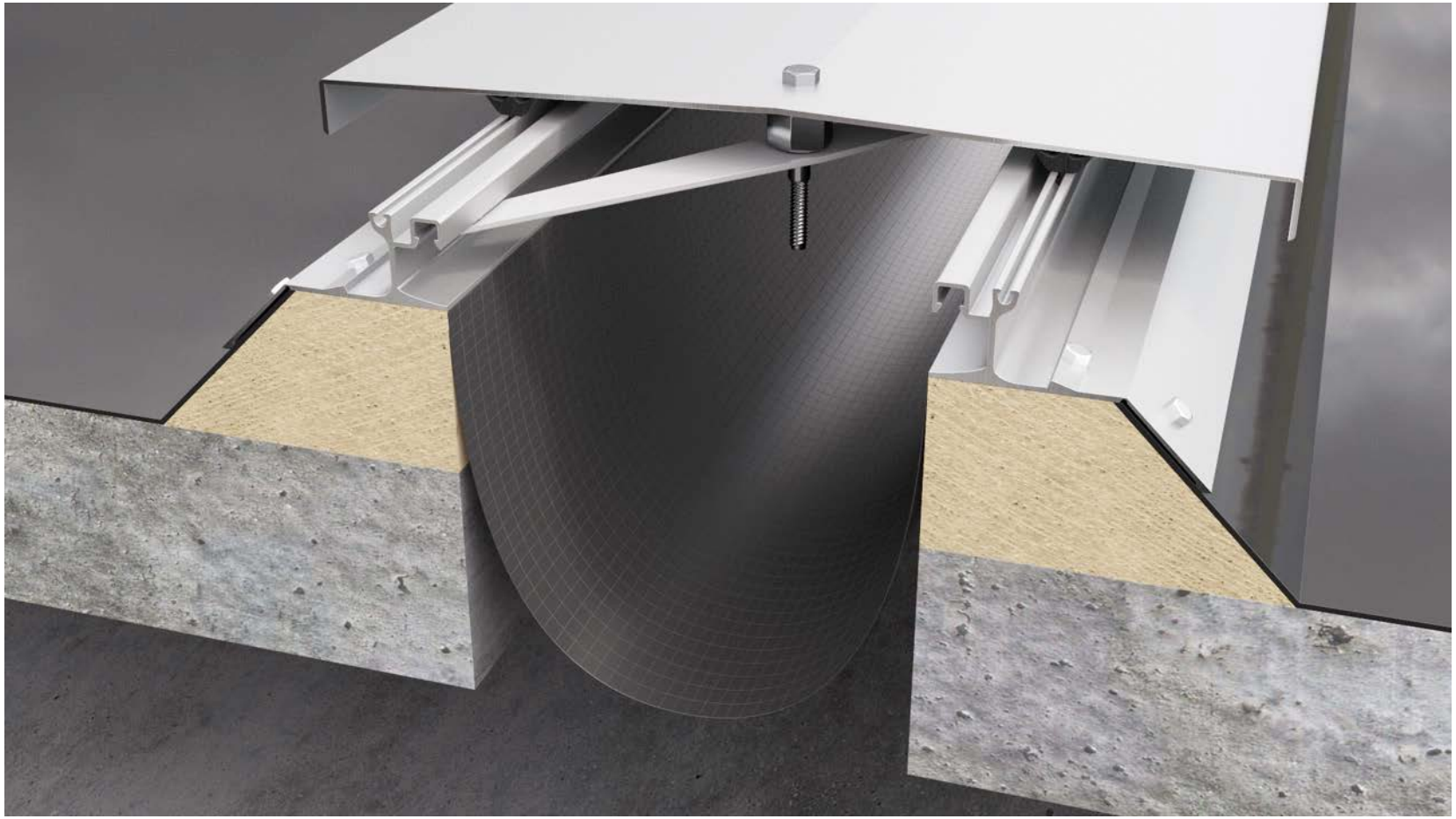
METAL OPEN AIR COVERS 4” – 8”

METAL OPEN AIR COVERS 8” +

METAL OPEN AIR COVERS 8” +

ROOF COVERS - ALUMINUM



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