

# Dseal SkyBridge

Roof · Expansion Joint

## — PRODUCT OVERVIEW

SkyBridge is a roof expansion joint system that bridges the structural gap where two roof slabs meet, allowing each section to expand and contract independently with temperature change. Built from anodised aluminium, sprayed aluminium, stainless steel or brass cover plates over a sealing assembly, it is installed on flat and pitched roofs of commercial, institutional and industrial buildings where thermal movement and water ingress must both be controlled. SkyBridge accommodates joint widths from 50 mm to 500 mm and combines neoprene weather washers with PU seals and gasketed fasteners to form a continuous weatherproof barrier. Snow-load rated covers are available for high-altitude and hill-station projects, and the metal cover options let specifiers match durability, finish and corrosion resistance to the site environment.

## — TECHNICAL SPECIFICATIONS

Type	Roof expansion joint
Joint width	50 mm – 500 mm
Sealing	Neoprene washers + PU seals
Materials	Anodised/sprayed aluminium, SS, brass

## — DIMENSIONS

Joint width range	50-500 mm
Movement	Thermal expansion and contraction
Cover length	Supplied to project requirement

## — MATERIALS

Cover plates	Anodised aluminium, sprayed aluminium, stainless steel, brass
Weather washers	Neoprene
Joint seals	Polyurethane (PU)
Fasteners	Gasketed

## — PERFORMANCE DATA

Weather resistance	Multi-stage neoprene and PU seal
Snow load	Snow-load rated covers available
Application	Flat and pitched roof joints

## — INSTALLATION GUIDELINES

1. Clean and level both joint edges, removing debris and laitance from the slab faces.
2. Position the base sealing assembly with neoprene weather washers along the gap.
3. Set the PU seal to span the joint and confirm continuity at all transitions.
4. Align the chosen metal cover plate centrally over the joint opening.
5. Fix with gasketed fasteners at the specified spacing, sealing each point.
6. Lap and bond cover sections at joints and direction changes for continuity.



Inspect the run and apply sealant at terminations to complete the weather barrier.

## — COMPLIANCE & CERTIFICATIONS

- Aluminium to ASTM B221-02 / ASTM 6063
- Manufactured under ISO 9001:2015 quality management
- ISO 14001:2015 and ISO 45001:2018 certified
- Made in India by Dhawan Associates