

Dseal ParkGuard

Floor & Parking Expansion Joint

— PRODUCT OVERVIEW

Dseal ParkGuard is a heavy-duty mechanical expansion joint system purpose-built for parking structures, where floors must absorb constant vehicular movement, braking forces and thermal cycling without cracking or leaking. Manufactured from ASTM 6063 T6 aluminium side strips paired with a tough, replaceable nitrile insert, ParkGuard delivers a flush, durable transition across floor movement joints in basements, podiums and multi-level car parks. Designed for joint gaps between 50 mm and 65 mm, ParkGuard comfortably carries intense light-vehicle traffic and medium-heavy traffic of vehicles on pneumatic tyres up to 90 kN. Its pre-drilled side strips make installation fast and accurate, while the interchangeable insert keeps long-term maintenance simple and low-cost.

— TECHNICAL SPECIFICATIONS

Joint gap	50 mm – 65 mm
Traffic	Medium-heavy (pneumatic up to 90 kN)
Side strips	Galvanised / stainless steel, pre-drilled, 3 m
Insert	Nitrile, 15 m roll, black or grey
Material	ASTM 6063 T6 aluminium

— DIMENSIONS

Joint gap range	50 mm – 65 mm
Side strip length	3 m sections
Insert supply	15 m roll
Configurations	Floor-to-floor / floor-to-wall (exposed skirting)

— MATERIALS

Side strips	ASTM 6063 T6 aluminium (galvanised / stainless steel options)
Insert	Nitrile rubber — black or grey
Finish options	Galvanised steel, stainless steel, mill-finish aluminium

— PERFORMANCE DATA

Traffic class	Medium-heavy / intense light-vehicle
Max pneumatic load	Up to 90 kN (contact area ~200 × 200 mm)
Insert	Interchangeable / replaceable
Movement	Absorbs thermal & structural floor movement

— INSTALLATION GUIDELINES

1. Clean and level both joint edges, removing all concrete laitance, grout and debris from the joint and anchor zone.
2. Position the pre-drilled ParkGuard side strips along each edge of the joint, ensuring they sit flush and level with the finished floor.
3. Mark, drill and fix the side strips into the slab through the pre-drilled holes using suitable anchors, working in 3 m sections.
4. Check alignment and that both strips are parallel with a consistent gap before final tightening.
5. Press the flexible nitrile insert firmly into the side-strip channels along the full length of the joint.
6. Trim the insert neatly at ends and transitions; clean the finished joint.

— COMPLIANCE & CERTIFICATIONS

- Aluminium profiles manufactured to ASTM B221-02 and ASTM 6063
- Manufacturer certified to ISO 9001:2015 (Quality)
- ISO 14001:2015 (Environment) & ISO 45001:2018 (OH&S)
- Manufactured by Dhawan Associates, India