

Technical Data sheet - Santoprene Movement Join

E-JOIN Series

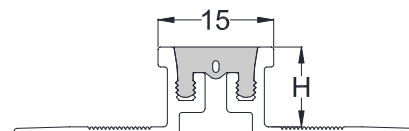
Movement Join

Our movement/expansion join was developed with Alusite in house technology to help you protect your floor from the cracking caused by thermal expansion.

Our engineered EJ series offers an easy replacement with advanced co-extruded infill, optimizing toughness and durability.

Offering a narrower width and more seamless integration to your flooring, the PU series is manufactured with high strength aluminium alloys and a high wear resistance Polyurethane infill bonded with Alusite bonding technology (patent pending).

It is tough and yet flexible to accommodate thermal expansion.



Aluminium Details

| | |
|---|--|
| European Standard | EN573-3 |
| British Standard | BS1474 |
| American Standard | ASTM B221 |
| Australian Standard | AS/NZ1866 |
| Alloy | 6063 |
| Temper | T5 |
| Composition : Si% | 0.2-0.6 |
| Composition : Fe% | 0.35 |
| Composition : Cu% | 0.1 |
| Composition : Mn% | 0.1 |
| Composition : Mg% | 0.45-0.90 |
| Composition : Zn% | 0.1 |
| Composition : Ti% | 0.1 |
| Composition : Cr% | 0.1 |
| Composition : Al% | Balance |
| Tensile Strength <3mm (N/mm ²) | 175 |
| 0.2% Proof Stress <3mm (N/mm ²) | 130 |
| Elongation <3mm (%) | 8 |
| Flammability | Solid Aluminium is non-combustible material. Does not burn, does not give off smoke when exposed to fire and does not emit sparks on impact. |

Santoprene Details (Reference ExxonMobil)

| | | |
|---------------------------------|------------|------------------|
| Hardness (Shore A) | ASTM D2240 | 50-60 |
| Tensile Strength (Mpa) | ASTM D412 | 6-27 |
| Elongation at Break(%) | ASTM D412 | 375-600% |
| Compression Set(%) 168hrs/100 C | ASTM D412 | 29-65 |
| Tear Resistance(kN/m) | ASTM D624 | 21-111 |
| Flex Fatigue Resistance | ASTM D4482 | Excellent |

Santoprene Chemical Resistant

| | |
|--------------------------|------------------|
| Water Resistance | Excellent |
| Acid and Base Resistance | Excellent |
| Oil-Aliphatic Resistance | Good |
| Oil-Aromatic Resistance | Fair |

Head Office & Factory

92, 92/1-4 Moo1, Homsin, Bangpakong, Cha-Choeng-Sao, 24130 Thailand
Tel : +66 38 842 749 Email : contact@alusite.com



Technical Data sheet - Santoprene Movement Join

E-JOIN Series

| Santoprene Durability | | |
|---|------------------------|------------------------|
| Xenon Weather-O-Meter - Interior Automotive SAE J 1885X | 4,703kJ/m ² | 7,838kJ/m ² |
| Tensile Strength, % change | -32 | -87 |
| Ultimate elongation, % change | -39 | -89 |
| Delta E (color shift) SAE J 1545 | 10.90 | 11.51 |

| Laboratory Test Details | | |
|---------------------------------|---------------------|-----------|
| Toxicity and Heavy Metal (RoHS) | ISO 3613 | Passed |
| Toxicity and Heavy Metal (RoHS) | US EPA 3052 & 6010B | Passed |
| Salt Spray (Corrosion Test) | ASTM B 117-03 | 240 Hrs |
| Accelerated Weathering test | ASTM G154 | 1,000 Hrs |

| Maintenance | | |
|---|--|--|
| <p>Alusite Series utilizes 6063 aluminium alloy commonly used for building material. As with any finished building material, anodized aluminum requires reasonable care prior to and during installation and periodic cleaning and maintenance after installation. Although anodized aluminum possesses exceptional resistance to corrosion, discoloration, and wear, its natural beauty can be marred by harsh chemicals, rough conditions or neglect. Such conditions usually affect only the surface finish and do not reduce the service life of the aluminum. However, scratching and wear and may be damaged by tile adhesive, mortar, or grouting material. Therefore, setting materials must be removed with a sponge and warm water immediately.</p> | | |

| Precautions | | |
|--|--|--|
| <p>Remove and clean adhesive or grout residue from visible surfaces immediately. Avoid using aggressive alkaline or acid cleaners on aluminum finishes. Do not use cleaners containing trisodium phosphate, phosphoric acid, hydrochloric acid, hydrofluoric acid, fluorides, or similar compounds on anodized aluminum surfaces. Strong solvents or abrasive cleaners can cause damage to painted surfaces. Always follow the cleaner manufacturer's recommendations as to the proper cleaner and concentration. Test-clean a small area first. Different cleaners should not be mixed.</p> | | |

Head Office & Factory

92, 92/1-4 Moo1, Homsin, Bangpakong, Cha-Choeng-Sao, 24130 Thailand
Tel : +66 38 842 749 Email : contact@alusite.com

