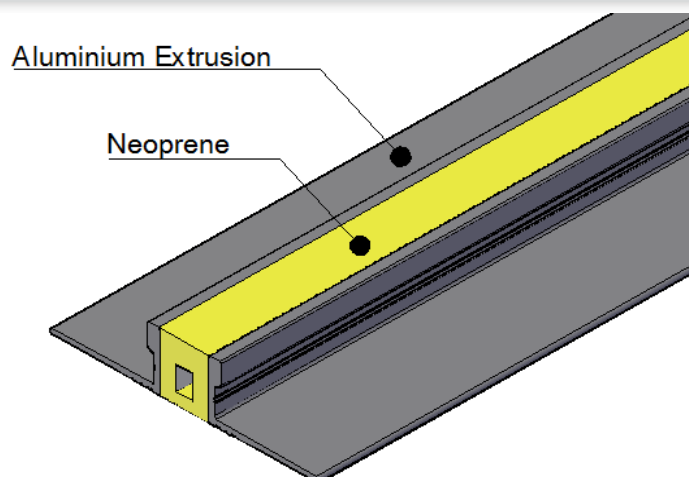
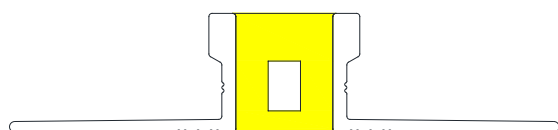




# NEOPRENE EXPANSION DATA SHEET



## Technical Details

### 1. Aluminium

|                                                                                 |             |
|---------------------------------------------------------------------------------|-------------|
| Standard                                                                        | AS NZS 1866 |
| Alloy                                                                           | 6063        |
| Temper                                                                          | T5          |
| Corrosion Test (Salt Spray): Standard ASTM B 117-03 240hrs. (American Standard) | Passed      |

### 2. Neoprene

|                                                     |        |
|-----------------------------------------------------|--------|
| Hardness(Shore A) ASTM D2240 (American Standard)    | 50-60  |
| Tensile Strength(Mpa) ASTM D412 (American Standard) | 8-12   |
| Elongation at Break                                 | 600% + |
| Tear Resistance(kN/m) ASTM D624 (American Standard) | 22-23  |

### 3. Neoprene Chemical Resistant

|                |           |
|----------------|-----------|
| Citric Acids   | Excellent |
| Kerosene       | Good      |
| Gasoline       | Good      |
| Acetone        | Good      |
| Chlorine       | Fair      |
| Vegetable Oils | Excellent |

### 4. Durability

|                                   |        |       |                  |
|-----------------------------------|--------|-------|------------------|
| Weathering Test ASTM-G154         | Before | After | Passed 1000hrs   |
|                                   |        |       |                  |
| Freeze-Thaw Resistance ASTM-C1026 |        |       | Passed 15 cycles |

### 5. Toxicity (RoHS)

|                                                                          |        |
|--------------------------------------------------------------------------|--------|
| ISO 3613; Hexavalent Chromium, Detection Limit 0.025 ug/cm2              | Passed |
| US EPA 3052 & 6010B; Lead, Cadmium, Mercury Detection Limit 0.025 ug/cm2 | Passed |