

EXPANSION JOINT TECHNICAL DATA

Seismic Pre-Compressed Parking Deck Foam System RECESSED APPLICATION (PDM)



PRECOMPRESSED FOAM SEAL

Nystrom **PDM** provides a primary horizontal seal for vehicular trafficked applications.

| PHYSICAL PROPERTIES | TEST METHODS | REQUIREMENTS |
|-------------------------------|----------------|---------------------------------|
| Impregnation | Not Applicable | Proprietary modified acrylic |
| Base Foam | Not Applicable | Open Cell Polyurethane Foam |
| Tensile Strength | ASTM 3574 | Meets 21 psi min. |
| Ultimate Elongation | ASTM 3574 | 125% +/-20% |
| Resistance to Compression Set | ASTM D545 | Max 2.5% |
| Sound Transmission Loss | ASTM E90 | 51 STC, 47 OITC |
| Temperature Service Range | ASTM C711 | -40 to 190 °F (-40 to 88 °C) |
| Cycling Movement | ASTM E1399 | Meets the requirements @ +/-50% |

SEALANT FACE

The Nystrom **PDM** Traffic-Grade sealant face provides traffic resistance and serves as a seal for water and the fuels associated with traffic-rated applications. Profiled sealant bellows face enables cycling through movement range.

| PHYSICAL PROPERTIES | TEST METHODS | REQUIREMENTS |
|--------------------------------|---------------------------------|--------------------|
| Durometer (Shore A) | ASTM C661 | 17-25 |
| Tensile Strength | ASTM D412 | 175 psi +/- 25 psi |
| Weatherability | ASTM C793; ASTM C510; ASTM G155 | Pass |
| Flexibility (Hockman Movement) | ASTM C719 | +/- 50% |