

## EXPANSION JOINT TECHNICAL DATA

### Seismic Pre-Compressed Highway Foam System RECESSED APPLICATION (DOT)



#### PRECOMPRESSED FOAM SEAL

Nystrom **DOT** 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
UV / Moisture and Light Resistance	DIN 18542	Pass
Compression Set	ASTM D545	< 2%, will not delaminate due to thermal shock or compression set
Density	ASTM D545	> 7 pcf
Vertical Laminations	Not Applicable	None
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 **DOT** 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%