

## EXPANSION JOINT TECHNICAL DATA

### Seismic Pre-Compressed Horizontal Foam System RECESSED APPLICATION (HES)



#### PRECOMPRESSED FOAM SEAL

Nystrom **HES** provides a primary water-tight seal for horizontal applications.

PHYSICAL PROPERTIES	TEST METHODS	REQUIREMENTS
Impregnation	Not Applicable	Proprietary Modified Acrylic
Base Foam	Not Applicable	Open Cell Polyurethane Foam
Weatherometer	ASTM C793, ASTM G155	Xenon Arc Weatherometer 3000 hrs – No visible deterioration
Temperature Service Range	ASTM C711	-40 to 185 °F (-40 to 85 °C)
Temperature Stability, Bleeding, Staining, and Recovery Under Field Conditions	Material will not bleed or stain after withstanding up to 185°F (85°C) down to -40°F (-40°C) for 3 hours while compressed down to -50% of nominal material size. The material will self-expand to +50% of nominal material size with 24 hours.	
Tensile Strength	ASTM D3574	16.6 psi min; 116 kPa
Thermal Conductivity	ASTM C518	R-Value = 6
Cycling Movement	ASTM E1399	Meets the requirements @ +/-50%

#### SEALANT FACE

The Nystrom **HES** silicone sealant face provides watertightness, thermal insulation, 100% movement capability, UV stability and color coordination with substrates. Profiled sealant bellows face enables cycling through movement range.