

# Flex-N-Dry™ Tape

## EXPANDING FOAM TAPE SOFT JOINT SOLUTION

### DATA & SPECIFICATIONS

#### PRODUCT DESCRIPTION

Flex-N-Dry™ is a UV stable, pre-compressed, self-expanding, flexible, flame-resistant joint seal. It is a high-density polyurethane foam that is impregnated with a modified acrylic resin and treated with a pressure-sensitive adhesive on one side for ease of installation. Flex-N-Dry self-expands to fill the joint creating an elastic, vapor-permeable, weather-tight seal.

#### COLORS

- Shadowline Black & Mortar Gray

#### BASIC USES

Typically used as an exterior or interior joint sealant, Flex-N-Dry can be used as a primary or secondary seal in vertical applications. The following are acceptable applications for Flex-N-Dry:

- Soft Joint treatment at dissimilar materials in manufactured stone or stucco applications
- Control Joints and Movement Joints in masonry and stucco façades
- Isolation joints at material transitions and terminations

#### FEATURES

- When used within its application range, Flex-N-Dry is weather-tight against driving rain up to 12 lb/ft<sup>2</sup> psf or 600 Pa
- It is vapor permeable
- Flame spread of 0 and a smoke development rating of 5 as tested per ASTM E84
- Remains permanently flexible
- Chemically compatible with many types of commercial construction substrates: will not corrode iron, zinc, steel, galvanized steel or copper, and will not chemically harm concrete, lightweight concrete, mortar, brick, natural stones or wood
- Low volatility
- Compatible with several sealants
- Minimal surface preparation required
- No mixing or masking
- Can be applied in various weather and temperature conditions
- Easy soap-and-water cleanup: no solvents, no cartridges, no pails
- Compatible with most porous or sensitive substrates
- Proven wind-driven rain resistance since 1965

#### LIMITATIONS

- Avoid over expanding the tape's performance range. The joint or gap size will be no wider than tape width. See installation instructions for correct placement and orientation. Expanding beyond 5/8" will impact long term performance of product and void warranty coverage
- Water can deactivate the pressure-sensitive adhesive backing. If needed, use shims to hold the product in place during the expanding period
- Avoid contact of Flex-N-Dry with hydrocarbon solvents and corrosive chemicals
- Flex-N-Dry must not be used as a primary seal where standing or ponding water will occur
- Do not power wash

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### DATA & SPECIFICATIONS *Continued*

#### SIZING CHART

JOINT/GAP SIZE TO BE FILLED	TAPE DEPTH INTO JOINT	ROLL LENGTH	ROLLS/CASE	LENGTH/CASE
Application Range 3/8" to 5/8" (8 to 15mm)	Tape Width 5/8" (15mm)	10.8' (3.3 M)	20	217'

#### TYPICAL PHYSICAL PROPERTIES CHART

PROPERTY		TEST METHOD	TYPICAL RESULTS
Color		—	Shadowline Black & Mortar Gray
Density		ASTM D3574	5.5 to 6.5 lb/ft <sup>3</sup>
Tensile Strength		ASTM D3574	21 psi Minimum
Thermal Resistance		ASTM C518	3.3 to 3.6 hr × F × ft <sup>2</sup> /BTU
Thermal Conductivity		ASTM C518	0.28 to 0.30 BTU-in/hr-F-ft <sup>2</sup>
Temperature Stability Range	Short Term < 24 hr	—	-40° to 248° F (-40° to 120° C)
	Long Term	—	-40° to 194° F (-40° to 90° C)
Elongation		ASTM D3574	120% +/-20%
Compression Set		ASTM D3574	4.2% maximum
Stain & Bleed		DIN 18 542	Passes Requirements
		ASTM C510	No Stain
Resistance to UV & Moisture		DIN 18 542	Passes Requirements
Shelf Life		—	24 Months
Water Penetration	Uniform Static Pressure	ASTM E331	12 psf
	Cyclic Static Pressure	ASTM E547	12 psf
Fire Testing		ASTM E84	Flame Spread: 0
Smoke Development		—	5
Chemical Compatibility		DIN 52 423	No signs of corrosion on zinc, steel, galvanized steel, aluminum, & copper. No adverse chemical effects with concrete, lightweight concrete, brick, natural stones, Plexiglas, or wood.
Hardness (at 80% compression)		Durometer scale A	25 +/-3
Application Temperature		—	No Restrictions