

W-AF-NA Series

**Pre-compressed Joint Sealant,
High Density, Polyurethane Foam,
Waterproofs Vertical Applications.**

PRIMARY USES
Primary Construction Joints
Vertical/Horizontal Movement Joints
Exterior Panel Systems

DESCRIPTION

- W-AF-NA is a premium quality joint sealant composed of a high density, open micro-cell polyurethane foam impregnated with a hydrophobic, flame retardant, modified acrylic.
- Provides a waterproof, dustproof, UV stable, chemically resistant, sound-proof, and insulated urethane primary seal.
- Works under its own constant internal pressure to provide a permanent, watertight seal eliminating costly water damage, as well as allowing for a greater degree of joint movement.
- Once W-AF-NA is installed in the joint, the material expands depending on temperature, adapting to the width of the joint and the irregularities of the substrate provided such profile changes are not sudden or extreme.
- Developed to meet all applicable standards for pre-compressed sealants.
- Permanently resilient; the material will expand and contract with the movement of the joint under any weather condition.
- Standard Colors: Black and Concrete Gray.
- Available Sizes (Joint Width)
Rolls: 1/8" to 1 3/4"
*Sticks: 2" to 5"
*(custom sizes available upon request)



ADVANTAGES

- Can accommodate rapid rates of joint movement.
- Supplied in pre-compressed state for ease of installation.
- Excellent compression recovery.
- Permanently elastic and weather-tight.
- Resists stretching and twisting during installation due to the Polyester scrim in the PSA (Pressure Sensitive Adhesive).
- Used for joints up to 5" wide
- Allows for up to 50% ($\pm 25\%$) movement.
- Consistent depth of product.
- Not based on asphaltic or bitumastic impregnation.
- Paintable with water-based paints.

APPLICATIONS

- Primary construction joints
- Secondary construction joints – behind caulk w/ backer rod.
- Vertical or horizontal movement – Expansion, control, and isolation joints.
- Retrofit joints.
- Pre-cast concrete walls — Tilt-up walls.
- Exterior Panel Systems — Masonry, granite, metal, EIFS, and curtain walls.
- Interior vapor, dust, acoustical and air control.
- Other joint requiring a watertight seal.

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SPECIFICATION

Sealant shall be W-AF-NA as provided by Architectural Art Manufacturing. Sealant shall be a high density, open micro-cell polyurethane foam impregnated with a flame retardant modified acrylic that meets ASTM 518, ASTM 283, and DIN 18542. W-AF-NA shall be installed in the joint in a pre-compressed state. When compressed to 25% of its fully expanded size, W-AF-NA must provide a watertight joint. The manufacturer shall furnish a Certificate of Compliance with these requirements.

TYPICAL PHYSICAL PROPERTIES

Thermal Resistance	ASTM C518	3.3 hr-°F-ft ² /Btu
UV Resistance		Excellent
Temperature Stability Range		-40°F to 212°F
Resistance to Compression Set	ASTM 3574	Max 2.5%
Shear Strength		Min 8N/cm ²
Thermal Conductivity	ASTM 3574	0.05W/m. °C
Tensile Strength	ASTM 3574	Meets 21 psi min.
Ultimate Elongation		125% ±20%
Mildew Resistance	UL 94VO	Excellent
Flammability	ASTM E84	Self-Extinguishing Flame Spread 0
Flash Point	ASTM E331	590°F (310°C)
Water Resistance	ASTM E547	12 psf 12 psf

LIMITATIONS

- Joints must be sized by measuring every 5-7ft. (1.524 — 2.137 meters) to ensure gap opening is uniform and depth is sufficient for the supplied material.
- Do not install when substrate or ambient temperatures are below -14°F (-25°C) or above 95°F (35°C).
- Will not adhere to surfaces contaminated by oil or grease.
- If ambient storage temperatures are below 50°F (10°C), store material at a minimum of 68°F(20°C) for a minimum of 24 hours prior to installation, regardless of temperature at location of installation.
- Store material in a dry, enclosed area, off the ground, and out of direct sunlight. Do not install when raining or snowing.

NOT INTENDED FOR

- Joints submerged in water
- Joints in contact with harsh chemicals
- Joints in roofing applications
- Joints requiring pick resistance
- Cross joints in copings and projecting stone work
- Joints requiring pick resistance

INSTALLATION

PREPARATION

- Verify that the joint is clean, sound, and will provide an appropriate surface for installation of the joint sealant.
- Check material for the appropriate lengths, widths, and depths.
- Do not un-wrap the material until ready for installation into the joint because the packaging maintains material in compression

ROLL INSTALLATION

- When fully prepared to install, remove the outer lining surrounding the roll and the first 1"-2" of material.
- Insert the material into the joint while pressing the material against the side of the joint, activating the PSA (Pressure Sensitive Adhesive).

STICK INSTALLATION

- When fully prepared to install, open the sealant material by removing the shrink packaging and Masonite strapping.
- Remove the release liner on both sides of the material.
- Insert the material into the joint while pressing the material against the side of the joint,

CLEAN UP

- Remove all waste materials from the jobsite.
- Do not reuse waste material.
- Leave site to the satisfaction of the owner/architect.

Limited Warranty

Architectural Art Mfg., a division of Pittcon Architectural Metals, LLC, warrants to its purchaser that all its products will be free of material or manufacturing defects for one (1) year. Any claim brought to the attention of Architectural Art Mfg., a division of Pittcon Architectural Metals, LLC, by the customer in writing; within one year of substantial completion will be examined. If the product has failed under the terms of the warranty, it will be replaced or repaired free of charge. Architectural Art Mfg., a division of Pittcon Architectural Metals, LLC, will not be responsible for installation costs involved in such replacement or repair, consequential or other damages of any nature. This is in lieu of all other warranties expressed or implied and is the sole warranty extended.

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