

FUERZA NEOPREX

PREFORMED ELASTOMERIC NEOPRENE COMPRESSION EXPANSION JOINT SEALING SYSTEM

FUERZA NEOPREX is a **high-performance, continuous multi-web neoprene compression seal** specifically engineered for the long-term sealing of expansion joints subjected to cyclic movement. Designed to remain under continuous compression throughout the entire movement cycle, the seal maintains consistent contact pressure against the joint faces, ensuring durable, watertight performance under varying service conditions.

The compression seal is securely bonded to the joint substrate using a **high-strength polyurethane or epoxy adhesive system**, forming a robust, impermeable seal that effectively prevents water infiltration and contaminant ingress. Manufactured from premium-grade elastomeric neoprene, the sealing element exhibits exceptional resilience and outstanding resistance to **weathering, ultraviolet (UV) radiation, ozone, oils, impact loading, and environmental ageing**, thereby ensuring prolonged service life with minimal maintenance requirements.

FUERZA NEOPREX Compression Series is available in a comprehensive range of **cross-sectional profiles and dimensional configurations**, making it suitable for expansion joints in **high-load, heavy-traffic, industrial, bridge, airport, parking structure, and infrastructure applications**, where superior movement accommodation and long-term durability are essential.

FEATURES

- Pre-engineered elastomeric compression seal designed for long-term sealing of structural expansion joints.
- Provides a cost-efficient and durable sealing solution for a broad range of commercial, industrial, and civil engineering applications.
- Exhibits exceptional resistance to abrasion, ultraviolet (UV) radiation, weathering, and long-term environmental exposure.
- Engineered with an optimized multi-web internal geometry that maintains continuous and uniform compressive contact pressure throughout the joint movement cycle.
- Available in a comprehensive range of cross-sectional profiles and dimensional configurations to accommodate varying joint widths, movement capacities, and structural loading requirements.

TECHNICAL INFORMATION

Material:	Rubber
Color:	Black
Expansion:	300%
Extreme weather condition:	Good
Chemical resistance:	Good

PRODUCT HIGHLIGHTS

- Provides a durable, watertight sealing system that effectively prevents water ingress and moisture penetration.
- Available in paint-compatible formulations suitable for pedestrian traffic environments and architectural finishing requirements.
- Engineered for both horizontal and vertical applications, including floor and wall expansion joints.
- Offers a cost-efficient, user-friendly sealing solution with simplified installation procedures and reduced maintenance requirements.
- Installs without the need for mechanical anchoring systems or embedded metallic components, minimizing installation complexity and corrosion risks.
- The optimized seal profile provides a smooth, continuous transition across joint interfaces, ensuring safe and comfortable pedestrian movement.
- Exhibits excellent resistance to abrasion, ultraviolet (UV) radiation, weathering, and long-term environmental exposure.
- Combines economic efficiency with rapid installation and long-term service durability, making it ideal for commercial, industrial, and infrastructure applications.

APPLICATION SCOPE:

FUERZA NEOPREX is a **cost-effective, preformed elastomeric expansion joint sealing system** specifically engineered for movement joints in **corridors, commercial buildings, large halls, parking structures, and other high-traffic facilities**. The system is designed to accommodate continuous pedestrian movement while maintaining reliable watertight performance and long-term durability. Suitable for both **horizontal and vertical applications**, FUERZA NEOPREX can be installed in floor and wall expansion joints, including areas finished with **ceramic tiles, cementitious mortars, natural stone, or concrete**. Its versatile design enables seamless integration into a wide variety of architectural and civil engineering applications, providing a durable and aesthetically pleasing joint sealing solution.



INSTALLATION PROCEDURE:

- **Substrate Preparation:** Remove all unsound concrete and repair defective areas. Ensure the joint faces are clean, dry, structurally sound, and free from dust, oil, grease, laitance, and other bond-inhibiting contaminants.
- **Surface Preparation:** Thoroughly clean the joint sidewalls immediately before applying the specified two-component epoxy adhesive.
- **Adhesive Application:** Apply a uniform layer of epoxy adhesive to both the expansion joint sidewalls and the contact surfaces of the FUERZA NEOPREX compression seal.
- **Installation:** Compress and insert the seal into the prepared joint, ensuring complete contact with the adhesive and install it flush with the finished surface to achieve a continuous, watertight seal.

PACKAGING:

FUERZA NEOPREX is supplied in **factory-manufactured 3 m lengths in black**, providing consistent dimensional accuracy, ease of handling, and efficient installation for expansion joint sealing applications.

