

# FUERZA HOTPOUR

## HOT APPLIED POLYMER SEALANT

FUERZA HOTPOUR is a solid, black-colored, hot-applied polymeric joint sealant engineered to combine high adhesive strength with exceptional elastic resilience. It accommodates cyclic joint movement caused by thermal expansion and contraction, maintaining a continuous and durable seal without loss of adhesion at low temperatures or excessive flow under elevated temperatures.

### KEY ADVANTAGES

- Provides a **cost-effective solution** for large-scale hot-applied **joint and crack sealing** applications.
- Combines **high adhesive strength with superior elastic resilience** for durable substrate bonding.
- Maintains a **continuous and watertight seal** during cyclic joint expansion and contraction.
- Exhibits excellent **thermal stability**, retaining adhesion under cold conditions and resisting excessive flow at elevated temperatures.
- Suitable for use on both **Portland cement concrete and asphalt concrete pavements**.

### APPLICATORY AREAS

- **Large-scale joint sealing** of transverse and longitudinal joints in Portland cement concrete pavements.
- **Movement-joint sealing** in bridges and other concrete infrastructure.
- Suitable for **airport runways and taxiways** subjected to heavy traffic and dynamic loading.
- **Maintenance sealing** of cracks and joints in concrete and asphalt pavements.
- Suitable for **parking lots and other paved areas** requiring durable joint and crack protection.

### SPECIFICATION COMPLIANCE

FUERZA HOTPOUR complies with or meets the requirements of **AASHTO M 173, ASTM D1190, ASTM D6690 Type I, FAA Specification Item P-605, Federal Specification SS-S-164**, as well as applicable **State Department of Transportation (DOT) specifications**.

### COVERAGE & CONSUMPTION

The material has a density of approximately **69.8 lb/ft<sup>3</sup> (1,120 kg/m<sup>3</sup>)**. For a standard **12.7 × 12.7 mm (½ × ½ in.) joint**, the estimated consumption is approximately **12.2 lb per 100 linear ft (18.2 kg per 100 m)**.

## **DIRECTIONS FOR USE**

### ***Melting & Temperature Control:***

FUERZA HOTPOUR shall be heated in a **double-boiler, oil-jacketed melter-applicator** equipped with continuous agitation and independent temperature controls for the **oil bath and melting chamber**. Introduce small quantities of FUERZA HOTPOUR, retaining the plastic liner where applicable, and progressively add material under continuous agitation as required. Additional sealant may be charged into the melter during application to maintain the required operating volume.

Maintain the sealant temperature at **370°F (188°C)**. **Do not exceed 390°F (199°C)** under any circumstances. The recommended application/pouring temperature is **370°F (188°C)**.

### ***Surface & Joint Preparation:***

Ensure all joints and cracks are **clean, dry, and free from dust, dirt, cement laitance, and other contaminants** prior to application. Where required, route cracks and joints to provide a suitably enlarged and sound reservoir, promoting effective **sidewall adhesion and sealant anchorage**.

### ***New Concrete Pavement:***

For new concrete pavement, a typical joint configuration comprises a width of **3/8–1½ in. (9.5–38 mm)** and a depth of **½–¾ in. (12.7–19 mm)**, providing an approximate **1:1 to 2:1 width-to-depth ratio**. Final joint dimensions shall be established in accordance with the requirements of the relevant **highway or pavement authority**.

### ***Asphalt Pavement & Maintenance Sealing***

For asphalt pavements and maintenance applications, route existing cracks and joints to form a sealant reservoir approximately **½–1½ in. (12.7–38 mm) wide**, with a minimum depth of **½ in. (12.7 mm)**. An approximate **1:1 to 2:1 width-to-depth ratio** should be maintained for optimum sealant performance.

### ***Application & Finishing:***

Apply FUERZA HOTPOUR only when both **ambient air and pavement temperatures are ≥40°F (4°C)**. The molten sealant should be introduced into the prepared crack or joint, with slight overfilling permitted. Immediately after placement, use a **soft rubber U-shaped squeegee** to form a smooth wipe zone approximately **3–4 in. (76–102 mm) wide**, terminating flush with the adjacent pavement surface.

At the conclusion of each day's operation, **remove residual sealant from the application lines**. Small quantities of unused material remaining in the melter may be reheated and reused on the following day, provided the material has not been adversely degraded by overheating or contamination.

## **HEALTH & SAFETY:**

Avoid **prolonged skin exposure** during handling and use an appropriate **protective barrier cream** where necessary. In case of skin contact, wash the affected area thoroughly with **soap and warm water**. If irritation or other adverse effects occur, **seek prompt medical attention**.

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied in accordance with current best practice, national standards and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.



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