



TECHNICAL DATA SHEET

CRACK-STIX® Permanent Concrete Joint & Crack Filler



MODEL #:2051, UPC#: 090932020511
MEDIUM 125ft (38.1M) of 1/2" (12.7mm) diameter

MODEL #:2061, UPC#: 090932020610
SMALL 225ft (68.5M) of 1/4" (6.3mm)

PHYSICAL PROPERTIES

| | |
|---|--|
| Appearance: Gray solid | Maximum VOC: 0 |
| Application Temperature: 32°F (0°C) and rising | Specific Gravity: N/A |
| Viscosity: N/A | Weight Per Gallon: See below for package weight |
| Color: Gray | Consistency: Solid |
| Boiling Point: 500°F (260°C) | Cure Time (50% relative humidity, 70°F, 21.1°C): 20 minutes |
| Freeze ability: N/A | Container Size & Weight: #2051: approximately 16lbs. #2061: approximately 12lbs. |

PERFORMANCE TEST DATA

Meets or exceeds the requirements of **ASTM C920-11 Standard Specification For Elastomeric Joint Sealants** for the following test parameters:

- a. **Classification: Type S** – single component
- b. **Use: T₁** – For use in joints in pedestrian and vehicular traffic areas
- c. **Color: Pass** – Color equals agreed upon color
- d. **Hardness: Shore A : 50** – Tested as per ASTM C661-01 Standard Method for Indentation Hardness of Elastomeric-Type Sealants by Means of a Durometer
- e. **Tack Free Time: 5 minutes** – Tested as per ASTM C679 Standard Test Method for Tack-Free Time of Elastomeric Sealants
- f. **Adhesion in Peel: Pass >5 lbf Peel Strength and <25% Adhesion Bond Loss in all tests**

| Substrate | Dry Adhesion (lbf, kg/M) | % Failure to Substrate | Wet Adhesion (lbf, kg/M) | % Failure to Substrate | Failure Mode |
|--------------|--------------------------|------------------------|--------------------------|------------------------|--------------|
| Concrete | 24, 35.7 | 0 | 25, 37.2 | 0 | Cohesive |
| Carbon Steel | 18, 26.8 | 0 | 37, 55 | 0 | Cohesive |
| Glass | 28, 41.6 | 0 | 34, 50.6 | 0 | Cohesive |
| Aluminum | 29, 43.1 | 0 | 34, 50.6 | 0 | Cohesive |

Meets or exceeds requirements of **ASTM C794-10 Standard Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants**

Meets or exceeds requirements of **ASTM D 3359**, for Paintability as determined by application and testing of the following general types of topcoat finish paints. **Test Method for Measuring Adhesion by Tape Test**

| Top Coat Paint Type | Rating | % Failure |
|---|--------|-----------|
| One Component Acrylic Latex Garage and Concrete Paint | 5B | 0 |
| One Component Latex Masonary Waterproofing Paint | 5B | 0 |
| Two Component High Solids Epoxy Top Coat | 5B | 0 |

Meets or exceeds requirements of **ASTM D412 - 06ae2 Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension** and **ASTM D1004 Tear Resistance of Plastic Film and Sheeting**

| 100% Modulus | Ultimate Tensile | Elongation (3 inch test, 7.6cm) | Tear Strength |
|--------------|------------------|------------------------------------|---------------|
| 35psi | 135psi | 1000% | 66 lb/inch |

FEATURES

CRACK·STIX® is the only **PERMANENT** solution to concrete joints and cracks on the marketplace. CRACK·STIX® are furnished as a solid "rope" in 1/4" and 1/2" thickness. It is an elastomeric, self-leveling sealant, which liquefies quickly and can be used in concrete and asphalt pavements. When properly applied, it combines tenacious adhesive power with extraordinary resiliency to protect against the infiltration of moisture or incompressible through repeated thermal cycles of expansion and contraction. CRACK·STIX® exhibit superior low temperature ductility, weather resistance, low oxidation breakdown and is non-tracking. It is the only sealant available which is designed to be inserted into the crack or joint cavity first and then melted with direct heat process. The modifier system contained in CRACK·STIX® allows the material to withstand direct heat without experiencing degradation.

SURFACE PREPARATION

CRACK·STIX® is a simple and clean process. Before applying the product, it is important to thoroughly clean out the joint or crack and remove any loose debris. Rinsing the crack and allowing it to dry will give you the best results.

APPLICATION

Now you are ready to install the CRACK·STIX®. Simply place the CRACK·STIX® into the crack (do not remove the plastic wrap from the CRACK·STIX®). CRACK·STIX® must be inside the crack so we recommend pushing the CRACK·STIX® into the crack using a screwdriver. (*Note: If the crack is not as wide as the 1/2" CRACK·STIX®, we recommend stretching the CRACK·STIX® out...you can leave it in the sun for a while to make it easier to stretch. You can also splice it with a razor blade). Once it's in simply light your torch (we recommend a Bernzomatic hand-held torch) and apply direct flame to the CRACK·STIX® until it liquefies - this should take about 20 - 30 seconds. Allow the CRACK·STIX® to set up for 20 minutes.

PRECAUTIONS

Avoid applying when temperatures drop below 32° F, 0° C. If the joint or crack filler is firm you may seal over. Protective clothing and eyewear should be used during application.

CLEAN UP & STORAGE

To remove CRACK·STIX®, heat and scrape off excess material.

!CAUTION!

CRACK·STIX® is for exterior use only. Keep out of reach of children.

Keep container capped when not in use. Non-flammable. This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

Emergency & First Aid Procedures:

Eyes: Immediately flush with clean water for 15 minutes while holding eyelids open; consult a physician.

Inhalation: If overcome by mist or vapor, remove from exposure immediately; call a physician. If breathing is stopped or irregular, start resuscitation, administer oxygen.

Skin: Remove any contaminated clothing and wash skin with soap and warm water. Vegetable or mineral oil can remove dry material.

Ingestion: DO NOT INDUCE VOMITING even though vomiting may occur. If vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs. Get immediate medical attention.

WARRANTY AND DISCLAIMER

The methods and techniques described herein represent some that have been used successfully to obtain desired results. Allow new concrete to fully cure—we recommend a minimum of 28 days prior to crack-sealing. The decision to use any of these methods and techniques is entirely at the election and responsibility of the user. CRACK·STIX® is warranted from defects for a period stated on the pail from date of purchase when applied according to our application instructions. Since sealer cannot control the manner of use of its products after their sale, seller will not be responsible for any consequential or indirect damages. If product is deemed defective, it shall be replaced by Dalton. No warranties will apply if the goods are in any way altered or modified after delivery by seller. There are no express warranties which extend beyond the description on the face hereof, DALTON ENTERPRISES, INC. DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY, OR OF FITNESS FOR ANY PARTICULAR PURPOSE. This warranty does not include labor costs incurred for the application, re-application or consequential damage costs. Failures due to acts of God, fire, structural defects or causes beyond our control are excluded from this warranty. This warranty gives you specific rights and you may also have other rights which may vary from state to state. Original proof of purchase required for warranty claims.