

Product Data Sheet: FlexWeld

Joint Filler

Low – emitting VOC Compliant Materials

Product Description- *CME LLC FLEXWELD* is a self-leveling, 100% solids, flexible, two component, rapid curing polyurea elastomeric joint filler. Designed for 10-15% movement of installed joint width. Recommended concrete cure 30 days prior to installing joint filler or joint sealant.

Uses- *CME LLC FLEXWELD* is used to fill interior random cracks, control joints or new construction joints on horizontal concrete surfaces. **FLEXWELD** is designed specifically for industrial floor applications receiving heavy vehicle traffic, such as forklift or steel wheeled carts. **FLEXWELD** is flexible, accommodating small slab movement yet strong enough to protect the vertical edges of concrete from spalling under extreme loading. **FLEXWELD** can be used in exterior applications where little joint or crack movement from thermal cycling will occur. **FLEXWELD** is recommended for repair of cracks, damaged control joints or new construction joints in cold storage facilities, freezers, and food processing plants where time and temperature are serious conditions.

Ideal for Applications In-

- Industrial Facilities
- Roofing
- Cold Storage Facilities
- Food Processing Facilities
- Freezers
- Airports
- Prisons

Advantages-

- **100% Solids, No VOC's**
- Flexible, 460-500% Elongation
- Remains Flexible in Cold Temperatures
- Cures From -40°F to 130°F
- Odorless, No Toxic Vapors
- USDA/F SIS/CSA Approved
- CFIA Approved
- Resists Jet Fuel

| <u>Cured Film</u> | <u>Test Method</u> | <u>Typical Value</u> |
|--|--------------------|----------------------|
| VOC | ASTM D3960 | Zero |
| Solids Content | | 100% |
| Shore Hardness | ASTM D2240 | 75-80A |
| Elongation | ASTM D412 | 460-500% |
| Tensile Strength, psi | ASTM D412 | |
| 100% Modulus, psi | ASTM D412 | 280 |
| 300% Modulus, psi | ASTM D412 | 450 |
| Tear Strength, pli, Die C | ASTM D624 | 150 |
| Taber abrasion, mg wt loss (1000 gms, 1000 revs, H-18 wheels) | ASTM D4060 | 840 |
| Pot Life | | 0 Minutes |
| Tack Free | | 2-3 Minutes |
| Initial Cure | | 60 Minutes |
| Final Cure | | 7 Days |

Limitations- **FLEXWELD** should not be used to fill exterior cracks, control joints, or construction joints if deck or slab movement from thermal cycling is expected. See *CME LLC* specification: **Low Temperature Joint Filler** for applications below 40°F. **FLEXWELD** is an aromatic based polyurea. Discoloration from exposure to ultraviolet light may occur, however the physical properties are unaffected.

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Coverage Rates-

Linear Feet Per Gallon: Theoretical

| Inches | ¼ | ½ | ¾ | 1 |
|--------|-----|-----|-----|----|
| ¼ | 308 | 154 | 103 | 72 |
| ½ | 154 | 77 | 51 | 38 |
| ¾ | 103 | 51 | 34 | 26 |
| 1 | 72 | 38 | 26 | 19 |

Linear Feet Per 600ML Cartridge: Theoretical

| Inches | ¼ | ½ | ¾ | 1 |
|--------|----|----|----|----|
| ¼ | 53 | 27 | 18 | 13 |
| ½ | 27 | 13 | 9 | 7 |
| ¾ | 18 | 9 | 6 | 4 |
| 1 | 13 | 7 | 4 | 3 |

Packaging-

- One Hundred Ten Gallon Kit: 55 gallons of 'A' side and 55 gallons of 'B' side.- Drum containers filled by weight, volume is closely approximate.
- Ten Gallon Kit: 5 gallons of 'A' side and 5 gallons of 'B' side.
- Six Hundred ML Cartridge: 300ML of 'A' side and 300ML of 'B' side packaged as a duplex cartridge. Six cartridges per case.

Mixing-

Machine Dispensing:

Use 1:1 ratio pump, with or without heater as required for individual application. For information contact **CME LLC**.

Colors- Standard color is charcoal gray, light gray, or black. Other colors available upon request. Consult **CME LLC**.

Shelf Life- One year, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F.

Clean Up- Cured product may be disposed of without restriction. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

Safety- Read Material Safety Data Sheets provided with all shipments. Additional copies are available upon request from **CME LLC**

Basic safety for personal protection is:

- Long-sleeve overalls or disposable Tyvex overalls.
- Rubber gloves.
- Splash shield or safety glasses with splash guards.
- Rubber or leather boots.
- Do not use near high heat or open flame.
- Do not take internally.
- Keep out of the reach of children.

Technical Services-Sales and Customer Support (630) 771-0380

Warranty- **CME LLC Incorporated** will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.

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