

CONFLEX® - Fiber Expansion Joint Filler



CONFLEX®

Knight-Celotex Fiberboard
a Knight Company
Innovations in Fiber Technology®

CONFLEX® Fiber Expansion Joint Filler by Knight-Celotex™ fits the bill for virtually any commercial or residential application.

From airport runways to interstate highways, from parking garages to driveways, CONFLEX® prevents damage to concrete caused by expansion. CONFLEX® is a proprietary wood fiber blend of treated wood fibers and additives which yields flexible, easy-to-handle boards. Stronger and lighter than other expansion joint filler compounds, it's easy to install, resists breakage, cuts cleanly and is easily held in position during pouring.

CONFLEX® withstands freeze/thaw cycles, resists water infiltration and will not crack in cold weather.



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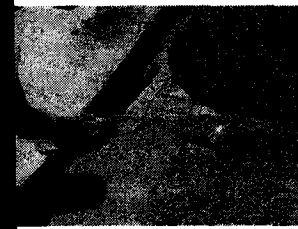
Easy to handle and install.



Easily held in position during pouring.



Resists breakage during forming.



Superior compression and recovery.



Tough, weather-resistant packaging keeps products safe.

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- Airport runways and tarmacs
- Parking lots
- Bridges, columns, viaducts and tunnels
- Abutments, ramps and retaining walls
- Gutters, curbs and pavements
- Isolation joints

CONFLEX Expansion Joint Filler Typical Physical Properties

Compression (50% of original)	300-485 psi
Extrusion	0.0 - 0.15 inch
Recovery	78 - 85%
Density	19 - 21 lb./ft ³
Water Absorption	8 - 14%
Extractables	36 - 44%
Slittability	Excellent
Handleability	Excellent

TEST DATA

CONFLEX® meets ASTM D-1751.

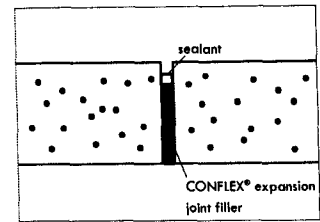
APPROVAL

CONFLEX® has received permanent approval from several State Departments of Transportation. Additional information available upon request.

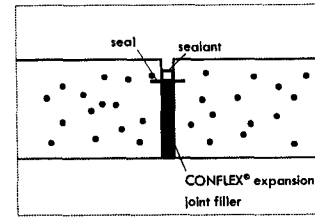
CONFLEX® SIZES AND THICKNESS

Lengths:	5' and 10'	1520 and 3050 mm
Widths:	4'	1220 mm
Thicknesses:	1/4", 3/8", 1/2", 3/4", 1"	6.4, 9.5, 12.7, 19.1, 25.4 mm
Cut-to-size:	3" to 48" in 1/2" increments (on some cut-to-size orders, minimum quantity requirements apply)	

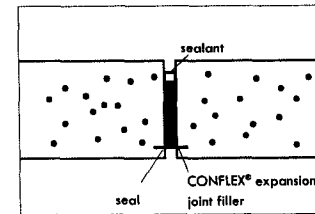
Custom widths and lengths available on request.



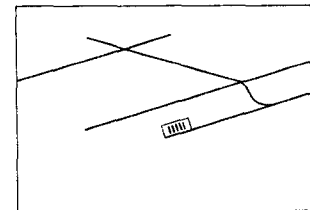
Joints for highways, roads or runways.



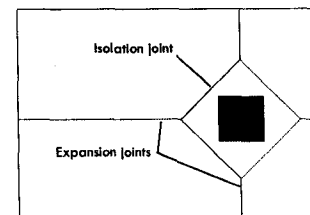
Protection against hydrostatic pressure from above.



Protection against hydrostatic pressure from below.



Curbs and gutters.



Isolation joints.



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a Knight Company

Innovations in Fiber Technology®

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All other locations: 800.770.7976
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**MATERIAL SAFETY DATA SHEET
LISBON FALLS PLANT**

CONFLEX® FIBER EXPANSION JOINT FILLER

DATE: 6/2004

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ONE NORTHFIELD PLAZA
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NORTHFIELD, IL 60093
TELEPHONE: (847) 716-8030
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-----SECTION 1. MATERIAL IDENTIFICATION -----

PRODUCT NAME:

CONFLEX® FIBER EXPANSION JOINT FILLER

-----SECTION 2. INGREDIENTS AND HAZARDS -----

INGREDIENTS AND HAZARDS	% EXPOSURE LIMITS
WOOD FIBER (USE OF THESE PRODUCTS MAY CREATE WOOD DUST)	LESS THAN 98 OSHA TWA: 5 MG/M3 STEL: 10 MG/M3 PEL 15 MG/M3 - TOTAL 5 MG/M3 - RESPIRABLE ACGIH TLV-TWA: 5 MG/M3 (SOFTWOODS) STEL: 10 MG/M3 (SOFTWOODS) TLV-TWA: 1 MG/M3 (HARDWOODS)
OIL	TRADE SECRET PEL 15 MG/M3 - TOTAL 5 MG/M3 - RESPIRABLE TLV 10 MG/M3
ASPHALT (CAS 8052-42-4)	TRADE SECRET TLV - 5 MG/M3 (FUMES)
PARAFFIN WAX (CAS 8002-74-2)	TRADE SECRET TWA 2 MG/M3 (FUMES)

**ALUMINUM SULFATE
(CAS 10043-01-3)**

**TRADE SECRET
TLV 2MG/M3
PEL 2MG/M3**

---SECTION 3. PHYSICAL DATA ---

SOLUBILITY IN WATER: NIL

SPECIFIC GRAVITY (H2O = 1): 0.2 - 0.4

APPEARANCE AND ODOR: BLACK COLORED BOARD, LOW ODOR.

---SECTION 4. FIRE AND EXPLOSION DATA ---

FLASH POINT AND METHOD: NONE

AUTOIGNITION TEMPERATURE: VARIABLE 390 DEG. - 500 DEG. F.

FLAMMABILITY LIMITS IN AIR: VARIABLE

EXTINGUISHING MEDIA: WATER, FOAM.

UNUSUAL FIRE/EXPLOSION HAZARDS: THERE ARE NO UNUSUAL FIRE OR EXPLOSION HAZARDS ASSOCIATED WITH THESE PRODUCTS. WOOD DUST REQUIRES 0.040 JOULES/MINUTES OF ENERGY FOR IGNITION AND CAN PRODUCE AN EXPLOSION PRESSURE OF 113 PSIG. MAX.

SPECIAL FIRE FIGHTING PROCEDURES: WHEN EXPOSED TO FUMES, WEAR A SELF-CONTAINED BREATHING APPARATUS (SCBA) WITH FULL FACE PIECE OPERATED IN THE PRESSURE-DEMAND OR POSITIVE PRESSURE MODE.

COMMENTS: IF WOOD DUST IS BEING PRODUCED FROM THIS PRODUCT, IT SHOULD BE KEPT IN A COOL, DRY PLACE AWAY FROM IGNITION SOURCES. HOT, HUMID STORAGE CAN RESULT IN SPONTANEOUS COMBUSTION.

---SECTION 5. REACTIVITY DATA ---

AVOID CONTACT WITH OXIDIZING AGENTS AND WITH DRYING OILS.

---SECTION 6. HEALTH HAZARD INFORMATION ---

STABILITY: STABLE

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

EFFECTS OF OVEREXPOSURE: AVOID PROLONGED REPEATED BREATHING OF WOOD DUST IN AIR. REPEATED EXPOSURES TO CERTAIN WOOD DUSTS CAN PRODUCE SUCH ALLERGENIC RESPONSES AS DERMATITIS, ASTHMA AND BRONCHITIS.

EMERGENCY AND FIRST AID PROCEDURES: EYE CONTACT: FLUSH EYES, INCLUDING UNDER EYELIDS, THOROUGHLY WITH WATER.

SKIN: WASH WITH SOAP AND WATER.

INHALATION: REMOVE FROM EXPOSURE.

INGESTION: CALL PHYSICIAN.

-----SECTION 7. SPILL, LEAK, AND DISPOSAL PROCEDURES -----

SPILL/LEAK: PICK UP.

WASTE DISPOSAL METHOD: IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

-----SECTION 8. SPECIAL PROTECTION INFORMATION -----

RESPIRATORY PROTECTION: APPROPRIATE NIOSH RESPIRATOR, APPROVED FOR ITEMS LISTED IN SECTION 2 SHOULD BE USED WHEN CUTTING OR SAWING THESE PRODUCTS.

VENTILATION: IF CREATING WOOD DUST IN ENCLOSED ENVIRONMENTS, USE GENERAL AND LOCAL MAXIMUM EXPLOSION PROOF VENTILATION TO MEET TLV'S CITED IN SECTION 2. USE VACUUM SYSTEMS RATHER THAN COMPRESSED AIR BLOWERS TO REMOVE WOOD DUST.

EYE PROTECTION: ALWAYS WEAR EYE PROTECTION IN ENVIRONMENTS WHICH MAY CONTAIN WOOD DUSTS. DO NOT WEAR CONTACT LENSES IN AREAS CONTAINING WOOD DUST. MAKE EYE WASH STATIONS, SAFETY SHOWERS, AND WASHING FACILITIES AVAILABLE.

COMMENTS: ALWAYS PRACTICE GOOD PERSONAL HYGIENE WHEN USING THESE PRODUCTS. AFTER COMING IN CONTACT, WASH HANDS BEFORE EATING, DRINKING OR SMOKING. DO NOT EAT, DRINK OR SMOKE IN AREAS WHERE THESE PRODUCTS ARE BEING CUT OR SAWN.

—SECTION 9. SPECIAL PRECAUTIONS AND COMMENTS —

WOOD DUST CAN CAUSE LUNG, UPPER RESPIRATORY TRACT, EYE AND SKIN IRRITATION. SOME WOOD SPECIES MAY CAUSE DERMATITIS AND/OR ALLERGIC RESPIRATORY EFFECTS. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CLASSIFIED WOOD DUST AS A NASAL CARCINOGEN IN HUMANS. WOOD DUST REPRESENTS AN EXPLOSION HAZARD IF A DUST CLOUD CONTACTS AN IGNITION SOURCE, OR MAY SPONTANEOUSLY IGNITE IN CONTACT WITH STRONG OXIDIZERS. AVOID DUST CONTACT WITH IGNITION SOURCES. SWEEP OR VACUUM DUST FOR RECOVERY OR DISPOSAL. AVOID PROLONGED OR REPEATED BREATHING OF WOOD DUST. AVOID DUST CONTACT WITH SKIN OR EYES.

IMPORTANT: THIS INFORMATION IS OFFERED IN GOOD FAITH. ALTHOUGH REASONABLE CARE HAS BEEN TAKEN IN THE PREPARATION OF THIS INFORMATION, KNIGHT-CELOTEX, LLC MAKES NO WARRANTY OR ANY KIND, EXPRESSED OR IMPLIED, CONCERNING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION AND DATA, AND ASSUMES NO RESPONSIBILITY FOR ITS APPLICATION TO PURCHASER'S INTENDED PURPOSES. IF PURCHASER ALTERS THE PRODUCT IN SUCH A MANNER AS TO CREATE WOOD DUST, THEN THIS IS THE PURCHASER'S RESPONSIBILITY. NORMALLY RECOMMENDED INDUSTRIAL HYGIENE, ENGINEERING PRACTICES AND SAFE HANDLING PROCEDURES ARE BELIEVED APPLICABLE AND SHOULD BE APPLIED.