TECHNICAL DATA SHEET

PE-65

POLYUREA JOINT FILL

PE-65 is a technologically advanced, self-leveling, 100% solids, two-component, 1:1 ratio Polyurea Elastomer joint and crack filler. Specifically designed for concrete with low to medium thermal cycling, PE-65 rapidly and consistently cures in applications ranging from 30ºF to 130ºF. It becomes tack-free in just 3 minutes, and areas treated with PE-65 can be reopened to vehicle or foot traffic within 1 hour after installation.

APPLICATIONS

PE-65 is specifically designed for industrial floor applications, targeting interior random cracks, damaged control joints, or new control joints on horizontal concrete with light pedestrian traffic or soft-wheeled carts (shopping/stocking carts, etc). This semi-rigid and slightly flexible material accommodates a small amount of slab movement while remaining robust enough to protect the vertical edges of concrete from spalling under light loading. Common installations include:

- Schools
- Warehouse Floors
- Manufacturing Facilities
- Pulp and Paper Mills
- Bottling and Canning Facilities
- Water and Waste Water Treatment
- Airports
- Food Processing Facilities

ADVANTAGES

- Semi-Rigid to protect joint edges
- 100% Solids, Contains No VOC's
- Can be Polished without Smearing
- Meets USDA & FDA Requirements
- Return Project to Service in 60 Minutes
- Cures From 30ºF to 130ºF
- Odorless, No Toxic Vapors
- Resistant to Petrochemicals

PHYSICAL PROPERTIES

Color A+B	Varies, can be tinted
Viscosity (mixed)	Self-Leveling
Mix Ratio (by volume)	1:1
Pot Life 100 grams at 74°F	1 min
Tack Free (thin film) @ 74°F	3 mins
Initial Cure	15 mins
Final Cure	60 mins
Elongation % (ASTM D-412)	420
Tensile Strength, psi (ASTM D-412)	680
Shore "A" Hardness (ASTM D-2240)	65-67 A
Tear Strength, Die B (ASTM D-624)	145
VOC Content (A & B)	0%

Available in
22 oz Cartridges
2-gallon Kits
10-gallon Kits

Shelf Life
1 year in original unopened container.

Storage Conditions
Recommended storage temperature is between 75°F to 85°F. Do not store below 55°F or above 85°F.

Consistency
Pourable, self-leveling liquid.

Pot Life
Approx. 30 seconds (100 gram mass)

Appearance
Semi Clear, Custom Color Matching Available

Meets the USGBC's LEED® Requirement of IEQ Credit 4.1

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MATERIAL COVERAGE PER GALLON

Consider approximately 15% for waste due uneven joint depth and width, overflow of material, nozzle waste, etc.

JOINT DEPTH	JOINT WIDTH 1/8"	3/16"	1/4"	3/8"	1/2"	3/4"	1"
1/8"	1232	821	616	411	308	205	154
1/4"	616	411	308	205	154	103	77
1/2"	308	205	154	103	77	51	39
3/4"	205	137	103	68	51	34	26
1"	154	103	77	51	39	26	19
1 1/2"	103	68	51	34	26	19	13
2"	77	51	39	26	19	13	10
2 1/2"	62	41	31	21	15	10	7
3"	51	34	26	17	13	8	6
4"	39	26	19	13	10	7	5

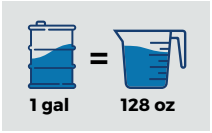
CARTRIDGE CALCULATION

- Multiply number of gallons by 128 (oz):

_10_ gal x 128 oz = _1280_ oz

- Divide result by the cartridge size (22 oz):

_1280_ oz ÷ 22 oz = _58_ cartridges



CHEMICAL RESISTANCE

Test Procedure; ASTM D-1308 @72°F
R=Recommend
RC=Recommend Conditional =some swelling or discoloration
N=Not Recommend
1=Some discoloration only

Chem ical	Result
Acetic Acid 10 %	R
Acetone	RC
Battery Acid (Sulfuric Acid)	RC
Brake fluid	R
Chlorine (2,000 ppm in water)	R
Citric Acid	R
Gasoline	R
Hydraulic Oil	R-1
Methanol (5%) Gasoline	RC
Motor Oil	R-1
Toluene	RC
Vinegar	R
Water	R
Xylene	R

APPLICATION RECOMMENDATIONS

Surface must be clean and sound. Remove dust, grease, curing compounds, waxes, foreign particles and disintegrated materials. For bulk mixing, use a one to one ratio metered pump. Only component "B" side needs to be stirred before being loaded into pump. Do not allow material to reside in static mixing head or nozzle for more than 30 seconds or nozzle blockage may result.

LIMITATIONS

- Do not thin ... solvents will prevent proper cure.
- Not for sealing cracks under hydrostatic pressure.
- Material is a vapor barrier after cure.
- Minimum age of concrete must be 28 days, depending on curing and drying conditions prior to applications.

CLEAN UP

Cured product may be disposed of without restrictions. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Cured materials may be stripped or peeled from plastic tools and containers. It is recommended that metal tools be cleaned within one hour of use by cutting or peeling cured material from tool.

SAFETY AND HANDLING

SDS will be mailed immediately upon receipt of a purchase order or upon request. All personnel should read and understand product Safety Data Sheets provided. Long sleeved overall or disposable overalls, rubber gloves, splash shields, rubber or leather boots should be worn. Do not use near high heat or open flame. Do not take internally. Keep out of the reach of children.

FIRST AID

Remove any contaminated clothing. For eye contact, flush immediately with plenty of water for at least 15 minutes; contact physician immediately. For respiratory problems, remove person to fresh air. For skin contact, remove immediately with a dry cloth or paper towel. Wash area of contact thoroughly with soap and water. Solvents should not be used because they carry the irritant into the skin. Wash contaminated clothing prior to re-use. Cured products are innocuous.

WARRANTY

HTS Chemical warrants its products to be free of manufacturing defects will meet HTS Chemical's current published physical properties when applied in accordance with HTS Chemical's directions and tested in accordance with ASTM and HTS Chemical's standards. There are no other warranties by HTS Chemical of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. HTS Chemical shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, including any warranty of merchantability or fitness for a particular purpose or from any other cause whatsoever.

SAFETY DATA