

TD.833 – JFS-680P™ GRID-LOCK

Revised: 8/31/2023 Version: 1.0

Product Class: A self-leveling joint filler/sealant for interior applications

Description: JFS-680P™ GRID-LOCK is a 2 component polyurea, self-leveling, joint sealant and filling system for concrete joints and provides extra protection for joint edge spalling. Will stand up to heavy warehouse forklift traffic and can be applied and cure in temperatures as low as -40°F. Concrete must cure 28 days.

Typical Uses:

- Filling joints in concrete (interior only)
- Repairing damaged control joints, edges and shoulders
- Repairing freezer thresholds
- Industrial and commercial operations
- Warehouses
- Polished concrete floors
- Saw cut joints
- Food processing & manufacturing
- Correctional institutions
- Freezers and cold storage facilities

Key Features:

- High elongation makes it suitable for all joints in concrete
- Exceptional tear strength makes it suitable for heavy duty industrial operations
- Will cure down to -40°F
- Fast return to service 1 hour or less
- Mix ratio 1 to 1 by volume
- Return to service: 1 hour
- 100% solids (0 VOC)
- Cures at -40°F to 130°F
- USDA, FDA, CFIA & FSIS Approved
- Remains flexible at below freezing temperatures
- Outstanding chemical resistance to jet fuels and skydrol Id-4

PHYSICAL PROPERTIES

Mix ratio:		1 to 1 by volume
Odor		almost odorless (minimal)
Weight per gallon	Part B @23°C	8.52 lbs.
	Part A @ 23°C	9.25 lbs.
Tabor Abrasion	ASTM D 4060 CS 17 wheel , 1000 gm x 1000 Cycles	400 mg. loss
Tensile Strength	ASTM D 638	1,780 psi
Tensile elongation %	ASTM D 638	295%
Adhesion to concrete	ASTM D 4541	400 psi
Shore A hardness	ASTM D 2240	90
Shore D hardness	ASTM D 2240	40
Tear Strength lb./in	ASTM D 624	300 lb/in
Shelf life	stored properly in temperatures between 70°F-104°F (21°C - 40°C)	1 year in unopened containers

Package sizes:

Part A 5 gallon pails 46.25 lbs. net, 55 gallon drums 508.75 lbs. net

Part B 5 gallon pails 42.60 lbs. net, 55 gallon drums 468.60 lbs. net

Surface preparation for existing concrete:

Remove all loose or deteriorated concrete, laitance and contaminants such as grease, form oils, dirt, coatings, sealers ETC. Use a minimum 3000 psi pressure sprayer and clean potable water. Add detergents to remove oils or grease if necessary and rinse with more water. Allow surface to dry, and vacuum surface to ensure the pores are open.

Applying:

Use two component meter mixed equipment with a mix ratio of 1 to 1 by volume. Working time is 3 minutes @73°F, (less if temperatures higher), walk on/service time is 1 hour or less.

Coverage per mixed gallon: (Lineal feet measurements)

INCHES	¼	½	¾	1
¼	307.0	154.0	102.7	77.0
½	154.0	77.0	51.3	38.5
¾	102.7	51.3	34.2	25.7
1	77.0	38.5	25.7	19.3

See SDS before use. Store in tightly sealed containers and keep away from moisture or high humidity storage temp 70-140°F