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TD.833 – JFS-680P™ GRID-LOCK

Revised: 11/26/2024 Version: 1.3

Product Class: A joint filler/sealant for concrete, wood or other environments

Description: JFS-680PTM GRID-LOCK is a 2 component polyurea, joint sealant and filling system for 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 or wood
- Repairing damaged control joints, edges and shoulders
- Repairing freezer thresholds
- Industrial and commercial operations
- Warehouses
- Polished concrete floors

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

- Saw cut joints
- Food processing & manufacturing
- Correctional institutions
- Freezers and cold storage facilities
- 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 Wainkteren seller		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 Ib./in	ASTM D 624	300 lb/in			
Shelf life stor	ed 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 contaminates 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	1/4	1/2	3/4	1	
1/4	307.0	154.0	102.7	77.0	
1/2	154.0	77.0	51.3	38.5	
3/4	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

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend to use our products before use to satisfy themselves as to the content and suitability for the applications they intend to use our products before use to satisfy themselves as to the content and suitability for the applications they intend to use our products before use to satisfy themselves as to the content and suitability for the applications they intend to use our products the for . Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability or fitness for a particular purpose, nor is any protection from any law or patent to be exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for incidental or consequential damages. © Elite Crete Systems, Inc. 2025 All rights reserved. Made in the USA