

DYNAFLEX JF-85

100% solids, fast-setting, semi-rigid, polyurea, concrete floor joint filler.



VOLATILE ORGANIC COMPOUND (VOC) REGULATORY COMPLIANCE

USEPA CARB-SCM SCAQMD LADCO, OTC UT-R307, CO MCAQMD CT, MD, DE, D.C. CANADA

DYNAFLEX JF-85



HOW IT WORKS

DYNAFLEX JF-85 is a fast setting, tough, semi-rigid, two component, 100% solids, polyurea, industrial concrete floor joint filler. It is designed to protect interior joint edge shoulders from edge fractures (spalls) resulting from forklift or cart related direct point impact loading.

APPLICATIONS

- ◆ Use to protect saw cut crack control joint edge shoulders from forklift damage on all interior warehouse, distribution center, convention center, sporting arena, manufacturing, grocery and retail exposed concrete floors, or wherever a Shore A hardness joint filler is required.
- ◆ Particularly well-suited for use in high traffic applications where maximum impact resistance and joint edge shoulder protection is required.
- ◆ Ideal for use in refrigerated or freezer environments.
- ◆ Can also be used to fill keyed or doweled construction joints and to repair cracks or small joint edge fractures.

ADVANTAGES

- ◆ Specifically formulated to support heavy loads without deflection, protecting joint edge shoulders from potential edge fractures (spalls)
- ◆ Supports and absorbs high impact wheel traffic from forklifts and carts, preventing joint edge stress by reinforcing joint side walls.
- ◆ Combines high shore hardness (85A) with good elongation (500%).
- ◆ Easy to use, factory proportioned mixing ratio.
- ◆ Fast setting – tack-free in less than 5 minutes.
- ◆ Flexible shave window fits contractor needs – shave as early as 2 hours or up to 24 hours after installation.
- ◆ Overfilled joint filler leaves little to no staining on substrate.
- ◆ Compliant with current USDA regulations.
- ◆ Prevents joint contamination and facilitates floor clean-up to a sanitary condition.
- ◆ Offers excellent chemical resistance to most commonly used industrial chemicals
- ◆ Green Engineered™ – better for health and the environment.
- ◆ Meets all federal and state VOC requirements.

▲ PRECAUTIONS ▲

- ◆ Do not use in joints subject to movement, such as expansion joints, dynamic control joints or isolation joints.
- ◆ New industrial concrete floor joints will increase in width due to concrete shrinkage. Premature installation of DYNAFLEX

JF-85 generally results in either adhesive or cohesive joint filler separation within the joint. Best results are obtained if concrete is allowed to cure a minimum of 90 days prior to installation of joint filler.

- ◆ The use of closed or open cell compressible foam backer rod is not recommended
- ◆ Joint filler installations subject to wide temperature variations can result in thermal induced joint filler separation within the joint.
- ◆ Do not apply to joints wet with standing water.
- ◆ Do not use in exterior applications, on inclined or sloped joints or in joints where anticipated movement will exceed 15% of the joint width
- ◆ Individual liquid components of DYNAFLEX JF-85 should be kept above 60° F (16° C) during storage and during use to ensure adequate mixing in the dispensing nozzle. Application during cooler temperatures may require the use of tank heaters.
- ◆ DYNAFLEX JF-85 may discolor when exposed to direct sunlight.

USE INSTRUCTIONS

- ◆ Request current product literature, labels and safety data sheets from manufacturer and read thoroughly before product use.
- ◆ Site environmental conditions, substrate conditions and construction have a major effect on product selection, application methods, procedures and rates, appearance and performance. Product literature provides general information applicable to some conditions. However, an adequate site test application by the purchaser or installer in advance of field scale use is mandatory (irrespective of any other verbal or written representations) to verify that product and quantities purchased can be satisfactorily applied and will achieve desired appearance and performance under intended use conditions.
- ◆ Concrete should be cured a minimum of 90 days prior to installation to reduce the likelihood of slab shrinkage and joint filler adhesion failure.
- ◆ Stabilized interior substrate temperature conditions provide the ideal installation environment and reduce the possibility of thermal induced slab expansion and contraction. For refrigerated and freezer environments, stabilize the floor at the intended operating temperature for a minimum of 3 days prior to joint filler installation.
- ◆ Joint surfaces should be cleaned of all laitance, debris, curing compound residue and any other material that might interfere with joint filler adhesion. The recommended cleaning procedure consists of vacuum dry cutting all joints to be filled with a dustless walk behind saw equipped with a diamond blade slightly wider than the width of the joint.
- ◆ During storage, the pigment in Component B may settle to the bottom of the container. To ensure all pigment is properly dispersed, it is recommended to mix Component B prior to use with a low speed drill and paddle mixer. It is not necessary to mix Component A. Cartridges should be shaken prior to use.

DYNAFLEX JF-85

Semi-Rigid Joint Filler



chemical solutions to concrete problems

- ◆ Product is easily mixed and dispensed using factory-filled dual cartridges or plural component power dispensing equipment adjusted to a 1:1 volumetric mix ratio.
- ◆ A .5-inch (12.7 mm) diameter 30 element mixing/dispensing nozzle is recommended to ensure adequate mixing.
- ◆ Cut the mixing nozzle to the appropriate size to fit into the joint. Best results are obtained when the joint is filled from the bottom to the top to prevent the incorporation of entrapped air.
- ◆ Joints should be filled full depth or a minimum of 1.5 inches (3.8 cm). Joints cut deeper than 1.5 inches (3.8 cm) can be filled with sand to a minimum depth of 1.5 inches (3.8 cm). The use of backer rod is not recommended.
- ◆ Overfill joints to a slightly crowned excess. Any low spots due to seepage should be refilled.
- ◆ Allow DYNAFLEX JF-85 to cure for a minimum of 1-2 hours but no longer than 24 hours before removing excess.
- ◆ To remove excess joint filler after the product has fully cured, shave off excess flush with the floor surface using a razor blade equipped floor scraper. Product can also be sanded smooth. Best results are achieved when product is shaved between 1-2 hours and 24 hours after installation.

VOLUME CALCULATION

Lineal Feet Per Gallon

		Width					
		.125	.250	.375	.500	.675	.750
Depth	0.50	308.0	154.0	102.7	77.0	57.0	51.3
	0.75	205.4	102.7	68.4	51.3	38.0	34.2
	1.00	154.0	77.0	51.3	38.5	28.5	25.7
	1.25	123.2	61.6	41.1	30.8	22.8	20.5
	1.50	102.6	51.3	34.2	25.7	19.0	17.1
	1.75	88.0	44.0	29.3	22.0	16.3	14.7
	2.00	77.0	38.5	25.7	19.3	14.3	12.8
	2.25	68.4	34.2	22.8	17.2	12.7	11.4
	2.50	61.6	30.8	20.5	15.4	11.4	10.3
	2.75	60.0	30.0	18.7	14.0	10.4	9.3
3.00	51.3	25.7	17.1	12.9	9.5	8.5	

Lineal Meters Per Liter

		Width							
		2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0
Depth	15.0	26.4	13.2	8.8	6.6	5.3	4.4	3.8	3.3
	20.0	19.8	9.9	6.6	5.0	4.0	3.3	2.8	2.5
	25.0	15.8	7.9	5.3	4.0	3.2	2.6	2.3	2.0
	30.0	13.2	6.6	4.4	3.3	2.6	2.2	1.9	1.7
	35.0	11.3	5.7	3.8	2.8	2.3	1.9	1.6	1.4
	40.0	9.9	5.0	3.3	2.5	2.0	1.7	1.4	1.3
	45.0	8.8	4.4	2.9	2.2	1.8	1.5	1.3	1.1
	50.0	7.9	4.0	2.6	2.0	1.6	1.3	1.1	1.0
	55.0	7.2	3.6	2.4	1.8	1.4	1.2	1.0	0.9
	60.0	6.6	3.3	2.2	1.7	1.3	1.1	0.9	0.8
65.0	6.1	3.0	2.0	1.5	1.2	1.0	0.9	0.8	
70.0	5.7	2.9	1.9	1.4	1.1	0.9	0.8	0.7	

TECHNICAL DATA

Density	9.3 lbs/gal (1.1 kg/L)
Solids Content	100%
VOC	55 g/L
Color	Gray
Gel Time	1 minute
Tack-Free Time	10 minutes
Hardness, ASTM D 2240:	
Shore "A" Hardness	85
Shore "D" Hardness	35
Tensile Properties, ASTM D 638:	
Elongation	500%
100% Modulus	minimum 650 psi
Tensile Strength	minimum 900 psi
Tensile Strength	minimum 900 psi
Shrinkage	None
Water Absorption	<0.5%

PACKAGING

Packaged in 600 mL (20 fl oz) biaxial cartridges and 10 gal kits.

SHELF LIFE

Shelf life is one year. Use before the "USE BY" date stated on product packaging.

HANDLING/STORAGE

Store in a dry location within a temperature range between 60° - 90° F (16° - 32° C).

AVAILABILITY & TECHNICAL SERVICES

In addition to corporate offices in Omaha, Nebraska, NOX-CRETE INC. maintains regional offices and distribution centers in principal markets throughout the world. For source or technical information, call 800-669-2738 or 402-341-2080.

LIMITED WARRANTY

NOTICE-READ CAREFULLY

CONDITIONS OF SALE

NOX-CRETE offers this product for sale subject to, and Buyer and all users are deemed to have accepted, the following conditions of sale and limited warranty which may only be varied by written agreement of a duly authorized corporate officer of NOX-CRETE. No other representative of or for NOX-CRETE is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

NOX-CRETE warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, NOX-CRETE will replace the defective product with new product without charge to the purchaser.

NOX-CRETE makes NO OTHER WARRANTY, either express or implied, concerning this product. There is NO WARRANTY OF MERCHANTABILITY. In no case shall NOX-CRETE be liable for special, indirect or consequential damages resulting from the use or handling of the product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which damages are claimed.

INHERENT RISKS

NOX-CRETE MAKES NO WARRANTY WITH RESPECT TO THE PERFORMANCE OF THE PRODUCT AFTER IT IS APPLIED BY THE PURCHASER, AND PURCHASER ASSUMES ALL RISKS ASSOCIATED WITH THE USE OR APPLICATION OF THE PRODUCT.