MF829HV

TECHNICAL DATA SHEET FLEXIBLE VERTICAL / HORIZONTAL JOINT SEALER

PRODUCT DESCRIPTION:

MF829HV is a two components 100% solids flexible sealant paste designed for applications where a resilient flexible non-sag material is required. It is an excellent choice for vertical expansion joint applications. This product has excellent flexibility and provides exceptional adhesion characteristics. The standard material is supplied with black and white components so proper mixing can be easily observed.

RECOMMENDED FOR:

MF829HV is recommended for expansion joints in vertical structures, vertical and overhead repairs and any other non-sag vertical application repairs of joints or cracks in concrete or masonry surfaces.

SOLIDS BY WEIGHT:

100%

VOLATILE ORGANIC COMPOUND:

Zero lbs per gallon

STANDARD COLOURS:

Grey (when mixed) Part A is white and Part B is black.

RECOMMENDED FILM THICKNESS:

Variable between 13mm and 38mm (½" and 1 ½")

COVERAGE PER GALLON:

1 gallon yields @ 13mm by 25mm (½" by 1.0") yields 9-11 m (30-35 lineal feet).

PACKAGING:	**CUBIC FEET**
2 gallon kit	.24 (approx)

*2 gallon kit= 10.85lbs./gallon (0.90-0.95 gallon net) part A and 11.3lbs./gallon (0.90-0.95 gallon net) part B. (volumes and weights approximate)

MIX RATIO:

1 part A to 1 part B by volume

SHELF LIFE:

6 months in unopened containers

ABRASION RESISTANCE:

24.2 mg loss with a 1000-gram total load at 1000 revolutions with a CS10 wheel

FLEXURAL STRENGTH:

1,600 (ASTM D-790)

TENSILE STRENGTH:

1,400psi @ ASTM D-412

ULTIMATE ELONGATION:

67%

FLEXIBILITY RANGE (TEMP.):

This product remains flexible from -40°C to 93°C (-40°F to 200°F)

HARDNESS:

Shore A = 65, Shore D = 25

ADHESION:

350 psi @ elcometer (concrete failure, no delamination)

VISCOSITY:

Mixed = 850, 000 to 1, 350, 000 cps (typical)

TDG CLASSIFICATIONS:

Part A "not regulated"
Part B "LIMITED QUANTITY"

DRYING TIMES: (21°C – 70°F) @ 50% RH

Pot life – 2 gal..... ..... 20-35 minutes
Recoat or topcoat ..... 12-16 hours
Light foot traffic..... 24-36 hours
Full cure (heavy traffic)... ..... 3-5 days

APPLICATION TEMPERATURE:

Above10°C (50°F)

CHEMICAL RESISTANCE:

REAGENT	RATING
Xylene	B
1,1,1 trichloroethane	B
MEK	A
Methanol	A
Ethyl alcohol	C
Skydrol	B
10% sodium hydroxide	D
50% sodium hydroxide	D
10% sulfuric acid	B
70% sulfuric acid	A
10% HC1 (aq)	B
5% acetic acid	B

Rating key: A - not recommended, B - 2-hour term splash spill, C - 8-hour term splash spill, D - 72-hour immersion, E - long term immersion.

NOTE: Extensive chemical resistance information is available through your sales representative.

PRIMER:

Not required

TOPCOAT:

This product can be top coated with suitable epoxy and urethane products.

LIMITATIONS:

- Colour stability may be affected by environmental conditions such as high humidity, chemical exposure, or exposure to certain types of lighting such as sodium vapor lights.
- Colours may vary from batch to batch.
- Grey colour is not from our standard colour chart.
- Substrate temperature must be 3°C/5°F above dew point.
- All new concrete must be cured for at least 30 days prior to application.

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REVÊTEMENTS MF PERFORMANCE COATINGS

PEINTURES MF PAINTS

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MIXING AND APPLICATION INSTRUCTIONS

1) **PRODUCT STORAGE:** Store product normal room temperature before using. Continuous storage should remain between 15°C – 32°C (60°F – 90°F). Avoid low temperatures and large temperature fluctuations in storage as these conditions could cause possible product crystallization.

2) **SURFACE PREPARATION:** All dirt, foreign contaminants, oil and laitance must be removed to assure a trouble-free bond to the substrate. We recommend that all loose concrete, previous patching compound or other foreign material be removed to leave a clean sound joint or repair area. For best results, when the depth of the repair area permits, a backer rod should be used to reduce the depth of the repair area. If the repair is too deep to prevent sag or slump, apply the material in multiple coats. For vertical surfaces, a lower viscosity version of this product is available.

3) **PRODUCT MIXING:** It is important that the material be mixed well. Therefore, take a few extra minutes to make sure adequate time has been taken to mix the two components together thoroughly. Improper mixing will cause an incomplete cure and soft spots in the repair area or joint. Mix one part (by volume) part A to one part (by volume) part B in an oversized mixing container. Mix well with slow speed mixing equipment until totally streak free being sure to scrape the sides and bottom of the mixing container thoroughly. Avoid high speed mixing as this could force air into the product.

4) **PRODUCT APPLICATION:** The mixed material can be applied by marginal trowel, putty knife or any other suitable equipment.

5) **RECOAT OR TOP COATING:** Apply the mixed product by placing the material into the repair area or joint with a marginal trowel, putty knife or other suitable equipment. Remove any excess material with a putty knife or similar tool prior to curing. Alternatively, it may also be suitable to let the product become tack free in the joint, and then use a razor scraper to cut off or shave the excess above the surface plane. Maintain temperatures within the recommended ranges during the application and curing process. When temperatures are lower, allow more time for this material to cure.

6) **CLEANUP:** Use xylene.

7) **SURFACE CLEANING:** Caution! Some cleaners may affect the colour of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product.

8) **RESTRICTIONS:** Restrict the use of the floor to light traffic and mild chemicals until the coating is fully cured. It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

9) **CAUTION:** Exposure during the curing stage of the coating to the by-products of **propane** combustion may cause discoloration to occur. During application and curing, propane fueled fork-lifts and other vehicles or propane fueled heaters should not be used in the area until the coating is fully cured, at least 72 hours.

Before using any product, be sure the Safety Data Sheet is read and understood.
Please contact your MF Paints Inc. representative at 1-800-363-8034 for further information.

WARRANTY

This product will give full satisfaction if applied according to the manufacturer's instructions. Manufacturer's liability is limited to the replacement of the product and does not include manpower if found to be defective upon inspection.

Contact your municipality to dispose of the container and any surplus in a safe and ecological manner.