

# INSTANT MEDIC - FLEX 100

## Joint Filler

### **PRODUCT DESCRIPTION:**

Instant Medic – Flex 100 is a two-component aromatic, 1:1 ration, rapid setting, self-leveling, moisture tolerant, 100% solids polyurea caulking compound for joint applications.

### **PRODUCT FEATURES:**

- 100% Solids Meets VOC Regulations Flexible - 300% elongation
- Down Time 30-90 minutes
- Non-Toxic/Odorless Remains Flexible, Even in Cold Temperatures
- Meets FDA /USDA Criteria Meets California VOC and AQMD Requirements
- Flexible, Odorless and Non-Toxic

### **PACKAGING:**

- 10-gallon kit: 5-gallon pail of Side-A and 5-gallon pail of Side-B
- 100-gallon kit: 55-gallon drums (net 50 gallons) of Side-A and (net 50 gallons) of Side-B.

**COLOR:** Standard gray and non-pigmented with variety of color options.

### **COVERAGE RATES LF/GALLON**

	WIDTH OF JOINT						
	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
1/4"	308	205	154	123	102	88	77
3/8"	205	136	102	82	68	58	51
1/2"	154	102	77	61	51	44	38
5/8"	123	82	61	49	41	35	30
3/4"	102	68	51	41	34	29	25
7/8"	88	58	44	36	29	25	22
1"	77	51	38	30	25	22	19

*Coverages and yields shown do not include allowance for waste and variations in job conditions. Each user must establish their factors for loss from experience.*

### **APPLICATION:**

Apply Instant Medic – Flex 100 use a 1:1 ratio machine pump, with or without heater as required. Material can be applied at environmental temperatures from -20F (-28.9C) to as high as 135F (57C). The product needs to be conditioned at 80F or more prior to use.

### **TECHNICAL DATA**

<b>Mix Ratio by Volume</b>	1A:1B
<b>Specific Gravity</b>	
<b>Part - A</b>	1.12
<b>Part - B</b>	1.07
<b>Viscosity at 80F</b>	
<b>Part - A</b>	850 ± 100 cps
<b>Part - B</b>	1000 ± 100 cps
<b>Gel Time @ 80F</b> ASTM D-2471	35 seconds
<b>Shore A hardness</b> ASTM D-2240	84 ± 3
<b>Tensile Strength</b> ASTM D-412	1700 ± 200 ps
<b>Elongation</b> ASTM D-412	300 ± 50%
<b>Tear Strength</b> ASTM D-624	250 ± 30 pli
<b>Volatile Organic Compounds (Part A &amp; B Combined)</b>	
<b>ASTM D-2369-81</b>	<0.46 lbs./gal. 55 gm/liter

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## Technical Sheet Continued

### **SURFACE PREP:**

- Allow concrete to cure 28 days before installation.
- Saw cut the joint to ACI Recommendations, remove all dust from the concrete pores prior to installing.
- All joints must be clean and dry prior to installing Instant Medic -Flex 100.
- If joint is damp, dry with heat torch.
- If primer is required, use Instant Medic – Prime.
- If backer rod is used in control joints, the recommended depth is not greater than 25% of the total depth of the slab.
- Construction joints are to be filled to full depth using no backer rod or sand.
- To repair T-Joints, the joint should be cut a minimum of 25% of the total depth of the slab. The side of the T-Joint must be cut 1 ½” from the joint and a minimum of ½” deep.
- For random crack and spall repairs each side of the crack should be cut to create a minimum ½” deep vertical edge.
- Ensure that all joint edges are at 90-degree angles to grade with no V-grooving of feather edges.

Instant Medic – Flex 100 complies with ASTM C 920 Classification as follows:

- Type M – Multicomponent
- Grade P – Pourable & Self-Leveling
- Class: 12-1/2
- Exposure, T, NT, I & M

### **MIXING:**

Instant Medic – Flex 100 may not be diluted under any circumstances. Pre-mix Instant Medic Flex 100 Side-B material using a plural 1:1 pumping machine.

### **FINISHING:**

After applying Instant Medic – Flex 100 wait 30-minutes, depending on temperature and humidity

before opening to traffic. Slice off any over-pour flush to grade. Open the traffic once Instant Medic – Flex 100 has set. Surface can be utilized to light traffic within 90-minutes of application.

### **CLEAN UP:**

Cured product may be disposed of without restriction. Mix excess A and B material and allow to cure. Check local, state and federal laws before disposing of material.

### **STORAGE:**

Instant Medic – Flex 100 should be stored at 60-90F (15-35C). Instant Medic – Flex 100 has a shelf life of one (1) year from date of manufacture in original, factory sealed containers.

### **WARNING:**

This product contains Isocyanates and Curatives.

### **LIMITATIONS:**

Do not use in cracks, construction joints or control joints if surface is subject to thermal cycling. Discoloration will occur if exposed to UV, however no change will occur in the physical properties. Super Z LLC dba Concrete Floor Supply. will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the company makes no warranty of merchantability and no warranty of fitness for any purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.