

# Devcon R-Flex™

Polyurethane

Devcon

## Message:

Self-leveling liquid urethane that in minutes turns into a non-sag putty for repairing gouges, tears, and holes and coats clips for heavy weight SBR conveyor belt.

Intended Use:

Repair holes, gouges, and tears in SBR conveyor belt

Coats hinged or solid plate fastener systems to protect them from cleaner damage

Rebuild worn rubber top ply of SBR belts protecting surface from abrasion and impact from aggregate

Product features:

High adhesion to SBR belts creating "surface pull" to polymer

Self-leveling liquid that develops into a non-sagging putty

Belt back into service in 1 1/2 hours

General Information			
Features	Good adhesion		
Uses	Conveyor		
	Repair Materials		
Appearance	Black		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Volume	0.990	cm <sup>3</sup> /g	
Solid content-by Volume	94	%	
Abrasion Loss	270	mg/1000 cycles	
Maximum Operating Temperature			
Dry	82	°C	
Wet	49	°C	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	92		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	10.1	MPa	ASTM D412
Tensile Elongation (Break)	420	%	ASTM D412
Tear Strength	47.3	kN/m	ASTM D624
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	14	kV/mm	ASTM D149
Thermoset	Nominal Value	Unit	
Thermoset Components			
Resin	Mixing ratio by weight: 88		
Hardening method	Mixing ratio by weight: 12		
Pot Life	4.0	min	
Shelf Life	100	wk	

Additional Information		
Cured 7 days @ 75°F		
Uncured Properties	Nominal Value	Unit
Curing Time	1.5	hr

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