

CONCRETE REPAIR

POLYJOINT 90

POLYUREA JOINT FILLER

DESCRIPTION

CPS Armor PolyJoint 90 is a self-leveling, semi-rigid polyurea joint filler that comes in two component parts (A & B) that are mixed 1:1. Armor PolyJoint 90 helps protect concrete joints from damaged joint edges from fork lift traffic and other heavy machinery. It is also moisture insensitive, not bubbling or swelling if exposed to water. Armor PolyJoint 90 also sets up quickly with a tack-free cure time of just a few minutes and can be shaved and ready for full operation in under an hour.

KEY FEATURES

- Moisture insensitive
- Semi-rigid to protect joint edges
- 100% solids, contains no VOCs
- Can be polished without smearing
- Fully cured in 1 hour
- Meets USDA & FDA requirements
- Cures from -20°F to 130°F
- Resistant to Petrochemicals
- Odorless, no toxic vapors

COVERAGE

Consider approximately 15% for waste due to uneven joint depth and width, overflow of material, nozzle waste and various other factors.

- 30 - 36 Linear feet per gallon (joint depth & width 1 inch x half inch)
- 300 - 360 Linear feet per 10 gallon kit (joint depth & width 1 inch x half inch)

Coverage Rate Chart

		Joint Width						
		1/8"	3/16"	1/4"	3/8"	1/2"	3/4"	1"
Joint Depth	1/8"	1232	821	616	411	308	205	154
	1/4"	616	411	308	205	154	103	77
	1/2"	308	205	154	103	77	51	39
	3/4"	205	137	103	68	51	34	26
	1"	154	103	77	51	39	26	19
	1.5"	103	68	51	34	26	19	13
	2"	77	51	39	26	19	13	10
	2.5"	62	41	31	21	15	10	7
3"	51	34	26	17	13	8	6	
4"	39	26	19	13	10	7	5	

*Coverage rates will vary on joint depth and width as well as overfill of product.

APPLICATION

Joint Preparation: Buildings should be acclimated to final operating temperature before filling joints. Precondition material to at least 70°F. Thoroughly clean joints of all debris for best adhesion to side walls. Joints should be dry with squared off edges. Use a joint saw along with the desired joint clean out saw blades for optimum results.

Tinting (mixing color pack): Pre-mix Armor PolyJoint Tint Pack (e.g. for 10 gallon kit) with Armor FlexJoint "B Poly" container for 3 minutes using a drill and paddle mixer until completely homogeneous. The same applies when no tint is added.

Joint Filling: Using the CPS Armor PolyJoint Pump - 100, Armor PolyJoint Pump - Mini, or similar, and always use same tanks for (A - Iso) or (B - Poly) sides. Use 1/2" x 14" nozzles with 30 elements. Check for proper 1:1 ratio and fill joints to specified depth. Allow at least 30 minutes before shaving flush with the surface. Note: colder temperatures will extend cure time.

**Before application, always do a small test sample in a less-visible area to be sure there are no variables or contaminants in the substrate that may be incompatible with this product.*

CLEANUP

Cured product may be disposed of without restrictions. Excess liquid A & B material should be mixed together and allowed to cure, then disposed of in the normal manner. Cured materials may be stripped of in the normal manner. Cured materials may be stripped or peeled from plastic tools and containers. It is recommended that metal tools be cleaned within one hour of used by cutting or peeling cured material from tool.

STORAGE

Store upright in a safe, dry place at 55-85°F. Product should be at least 70°F prior to use. Keep from freezing. Keep out of reach of children. Make sure and seal container after use. Do not mix with other chemicals. Product has approximately 1 year shelf life.

CHEMICAL PROPERTIES

Form:	Liquid
Appearance:	Varies, can be tinted
Odor:	Odorless, no toxic vapors
Viscosity:	Self leveling
Mix Ratio:	1:1
Pot Life:	35 seconds
Initial Cure:	15 minutes
Final Cure:	60 minutes
Elongation %:	180-200 (ASTM D-412)
Tensile Strength (PSI):	900-1000 (ASTM D-412)
Shore "A" Hardness:	90-93 A (ASTM D-2240)
Tear Strength:	148 (ASTM D-624)
Shelf Life:	1 year

AVAILABILITY

Item #	Container
GPCHPJ90-10	10 Gallon Kit

VARIOUS COLORS AVAILABLE!



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CHEMICAL RESISTANCE

CPS Armor PolyJoint 90 has been testing using ASTM D-1308 at 72°F.

CHEMICAL	YES	YES-WITH MINOR ISSUES*	SLIGHT DISCOLORATION
ACETIC ACID 10%	•		
ACETONE		•	
BATTERY ACID (SULFURIC)		•	
BRAKE FLUID	•		
CHLORINE (2K PPM IN WATER)	•		
CITRIC ACID	•		
GASOLINE	•		
HYDRAULIC OIL	•		•
METHANOL (5%) GAS		•	
MOTOR OIL	•		•
TOLUENE		•	
VINEGAR	•		
WATER	•		
XYLENE	•		

*Some swelling and or discoloration occurred during testing.

WARNING / SAFETY & HEALTH INFORMATION

KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY!

Before using or handling of this material, read the Safety Data Sheet (SDS) and Warranty. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists generated by this product. Use appropriate eye protection and chemical resistant gloves.

LIMITATIONS

CPS Armor PolyJoint 90 is not for sealing cracks under hydrostatic pressure. Do not thin, solvents will prevent product from properly curing. Once cured, material acts as a vapor barrier. It is recommended concrete cures for a minimum of 28 days depending on curing and drying conditions prior to application. Product could discolor if constantly exposed to UV radiation due to its aromatic chemistry.

If product comes into contact with glass, fabric, metal or painted surfaces, immediately wipe

contaminated surface with a damp cloth, then wipe dry with a second clean cloth.

Make certain the most current versions of the Technical Data Sheet (TDS) and Safety Data Sheet (SDS) are being used. Visit our website (www.go2cps.com) or contact customer service (1-877-472-8200) for additional tips and guidelines. Proper application is the responsibility of the user. Field visits by CPS personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the job site.

WARRANTY

The product and application information contained herein is offered in good faith and we believe it to be accurate. However, since conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent. Concrete Polishing Solutions (CPS) sole warranty is that our products will meet our specifications at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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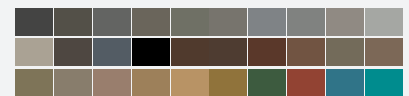
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SAFETY DATA SHEETS (SDS)



SCAN FOR PART "A" SDS



SCAN FOR PART "B" SDS



SCAN FOR TINT PACK SDS