



POLYFLEX

PCCP Patching – Permanent Repair Products

ADOT Approval Section # J-2C-16048



BEFORE



DURING



AFTER

These pictures are of Projects that were done on I-17, Loop 202 and Loop 101 and now the Broadway Curve up-grades. Brewer Cote is Pleased to be involved with these ADOT Projects

- Two-Component Urethane Rapid Setting Patch Material
- Hand Mix or Bulk Applicator supplied by Brewer Cote at “No additional charge”
- Available in Black / Gray
- Open to Traffic in 20 Minutes

Samples and Demonstrations Gladly Provided



BREWER COTE OF ARIZONA INC ® THE PAVEMENT MAINTENANCE SPECIALISTS
5226 W. MISSOURI AVENUE, GLENDALE, ARIZONA 85301

POLYFLEX

City of Phoenix' Sky Harbor Airport ...

Williams Gateway, Deer Valley and Goodyear Airports Have been using **FlexSet** and **PolyFlex** for more than 10 Years! Pima County, Oro Valley and various others use **PolyFlex Black** for their Asphalt repairs.

PolyFlex re-bonds cracked Concrete, it is used to strengthen Roads, Bridges, Slabs and Parking Structures. It seals Concrete to stop freeze, thaw, spawling and chemical attack



Packaging - **PolyFlex** equal volume 'A' & 'B' components are packaged in 5 gal pail kits or bulk 30 gal or 100 gal kits. Shelf life is 12 mo. in unopened containers stored indoors. Brewer Cote keeps both the 5 gal and the bulk kits in stock. (Including the application equipment)

Instructions - **PolyFlex** performs well in extreme temperatures. In excessive heat (100° F or higher). Do not leave product outside overnight. Do not apply during rain or on wet surfaces. Co-reactive A & B components are transferred from 5 to 50 gal containers, through proportioning pumps (1:1 ratio) to dispensing gun. Mixed material is dispensed into repairs. Read safety data sheet & installation instructions before using product.

Typical Properties

| Component | 'A' | 'B' |
|--------------------------|-------|------------|
| Ratio A : B | 1 | 1 |
| Viscosity 73° F cps | 24 | 57.5 |
| Appearance | Amber | Black/Gray |
| Flash Point in F | 245 | 360 |
| Specific Gravity @ 73° F | 1.09 | 1.01 |

Application Tests

| |
|-----------------------------|
| Resilience |
| 5 hr. Compressive Strength |
| 24 hr. Compressive Strength |
| 7 Day Tensile |
| 7 Day Tear |
| Pot Life |

Procedure

| |
|--------------------------|
| ASTM C579-01 |
| ASTM C579-01 Mod |
| ASTM C579-01 Mod |
| ASTM D638 |
| ASTM D624 |
| Gardeo GT-S Gel polymers |

Results

| |
|------------|
| Pass |
| 2100 psi |
| 3800 psi |
| 500+ psi |
| 200 lb f/n |
| 5 min |

Temperature

80° - 100°
60° - 80°

Set Time

5-6 min.
10 min.

Return to Service

20 min.
30 min.



PolyFlex DS – Black

PolyFlex DS – Black Re-Bonds Cracked and Ruted Asphalt. This thin Penetrating Polymer is applied with the Roklin Vari-Flo Polymer Dispensing System. PolyFlex DS restores Asphalt Strength by penetrating and re-bonding cracks. Large cracks are sand filled then saturated with PolyFlex DS to form High Strength Polymer Concrete.

PolyFlex DS – Black restores Asphalt strength for Roads, Bridges, Parking Structures and Pot Holes. It Seals Asphalt to prevent further breakdown and repairs are fast. Traffic can resume within 20 minutes.

Penetrates / Re-Bonds

Penetrates and Re-Bonds thin, wide or deep cracks to restore Asphalt Strength

Seals / Protects

Waterproofs, protects from freeze, thaw or spalling.
Smooths rough surfaces. Restores traction surfaces

Fast Repairs / Cures

Solidifies in less than 5 minutes. Ready for traffic in 20 minutes

Repairs Year Round

Successful Repairs in Cold or Hot Weather

Safe to Use / Low Odor

Non-Flammable, there are no peroxides or heavy metals.
There is little odor on application and is safe to use.
(See product safety data for more information)

Chemically Resistant

Resists dilute acids and alkalis. Unaffected by salt, gasoline, diesel fuel, lubricating oils, or anti-freeze.
Fuel and Oil drips from vehicles will not penetrate treated areas.

INSTRUCTIONS

Roklin PolyFlex DS Black performs well in Temperature Extremes. For best performance, Install at 10°F to 100° F ambient temperature and 50°F to 75° F material temperature. Do Not apply during rain or on wet surfaces. Read Material Safety Data and Installation Instructions before using product.

BULK APPLICATION EQUIPMENT

Roklin Vari-Flo Polymer dispensing equipment transfers, meters, mixes and applies Roklin PolyFlex DS. Co-reactive "A" and "B" components are transferred from 5 to 50 gal containers, Through proportioning pumps (1:1 ratio), to the dispensing gun. Mixed material is dispensed Into repairs.

SMALL JOBS

Apply from 21 oz cartridge kits with hand operated air powered dispensing guns.

PACKAGING

Roklin PolyFlex DS equal volumes of "A" and "B" components are packaged in kits of 5 gal, 30 gal and 100 gal. Shelf Life is 12 mo. In unopened containers stored indoors.



Large Crack repair

Remove loose and unsound material
 Blow crack clean with dry compressed air
 Fill crack with 30 mesh or larger sand
 Flood crack with Roklin PolyFlex DS

Hairline Crack Repair

Blow out cracks with dry compressed air
 Flood with Roklin PolyFlex DS. Broadcast
 clean, dry uniform graded sand on cured
 liquid for high traction surface

Spider Cracks

Shot blast or sand blast deck surface
 Flood deck with PolyFlex DS at the rate
 of 1 gal per 100 sq./ ft. Immediately
 broadcast sand to refusal into the cured
 liquid. When cured sweep off excess sand.

Restoring Traffic

With Roklin PolyFlex DS, traffic can resume
 within 20 minutes of completion of work
 reducing the time of crews' exposure to on
 coming traffic

Typical Properties: Application

Typical Cured Properties

| | | |
|-------------------------|-------|-------|
| Component | "A" | "B" |
| Ratio A:B Volume | 1 | 1 |
| Viscosity @ 73°F cps | 24 | 57.5 |
| Appearance | Amber | Black |
| Specific gravity @ 73°F | 1.09 | 1.01 |
| Flash Point °F | 245 | 360 |

| | | |
|--------------------------|------------|------|
| Specific Gravity | ASTM D792 | 1.07 |
| Hardness, Durometer D | ASTM D2240 | 70 |
| Tensile Strength, psi | ASTM D412 | 4300 |
| Elongation at Break % | ASTM D412 | ≤10 |
| Tear Strength | ASTM D624 | 275 |
| Compression Strength psi | ASTM C39 | 4250 |
| Bond Strength psi | | 500 |

Mixed

| | |
|--------------------------|-------|
| Pot Life, Minutes @ 73°F | 3 |
| Cure Time Minutes @ 73°F | 10 |
| Cured Color | Black |

Distributor

Brewer Cote of Arizona, Inc "The Pavement Maintenance Specialists"
 5226 W Missouri Avenue, Glendale, AZ 85301

www.brewercoteaz.com Tel. 623-931-3728 Toll 888-931-3728 Fax 623-842-0714 sales@brewercoteaz.com



PolyFlex DS – Gray

PolyFlex DS – Gray Re-Bonds cracked concrete. This thin, penetrating polymer is applied With Roklin Concrete Welder Polymer Low Pressure Dispensing System. PolyFlex DS restores Concrete strength by penetrating and re-bonding cracks. Large cracks are sand filled then Saturated with PolyFlex DS to form a High Strength Polymer Concrete.

PolyFlex DS Gray restores concrete strength for Roads, Bridges, Slabs, Parking Structures, Roofs and floors. It seals concrete to stop freeze, thaw, spalling and chemical attack. PolyFlex DS repairs fast. Traffic can resume within 20 min.

Penetrates / Re-Bonds

Penetrates and Re-Bonds thin, wide or deep cracks to restore Asphalt Strength

Seals / Protects

Waterproofs, protects from freeze, thaw or spalling.

Smooths rough surfaces. Restores traction surfaces

Fast Repairs / Cures

Solidifies in less than 5 minutes. Ready for traffic in 20 minutes

Repairs Year Round

Successful Repairs in Cold or Hot Weather

Safe to Use / Low Odor

Non-Flammable, there are no peroxides or heavy metals.

There is little odor on application and is safe to use.

(See product safety data for more information)

Chemically Resistant

Resists dilute acids and alkalis. Unaffected by salt, gasoline, diesel fuel, lubricating oils, or anti-freeze.

Fuel and Oil drips from vehicles will not penetrate treated areas.

INSTRUCTIONS

Roklin PolyFlex DS Gray performs well in Temperature Extremes. For best performance, Install at 10°F to 100° F ambient temperature and 50°F to 75° F material temperature. Do Not apply during rain or on wet surfaces. Read Material Safety Data and Installation Instructions before using product.

BULK APPLICATION EQUIPMENT

Roklin Vari-Flo Polymer dispensing equipment transfers, meters, mixes and applies Roklin PolyFlex DS. Co-reactive “A” and “B” components are transferred from 5 to 50 gal containers Through proportioning pumps (1:1 ratio), to the dispensing gun. Mixed material is dispensed Into repairs.

SMALL JOBS

Apply from 21 oz or 53 oz cartridge kits with hand operated air powered dispensing guns.

PACKAGING

Roklin PolyFlex DS equal volumes of “A” and “B” components are packaged in kits of 5 gal, 30 gal and 100 gal. Shelf Life is 12 mo. In unopened containers stored indoors.



Large Crack repair

Remove loose and unsound material
 Blow crack clean with dry compressed air
 Fill crack with 30 mesh or larger sand
 Flood crack with Roklin PolyFlex DS

Hairline Crack Repair

Blow out cracks with dry compressed air
 Flood with Roklin PolyFlex DS. Broadcast
 clean, dry uniform graded sand on cured
 liquid for high traction surface

Spider Cracks

Shot blast or sand blast deck surface
 Flood deck with PolyFlex DS at the rate
 of 1 gal per 100 sq. ft. Immediately
 broadcast sand to refusal into the cured
 liquid. When cured sweep off excess sand.

Restoring Traffic

With Roklin PolyFlex DS, traffic can resume
 within 20 minutes of completion of work
 reducing the time of crews' exposure
 to on-coming traffic

Typical Properties: Application

| Component | "A" | "B" |
|-------------------------|-------|------|
| Ratio A:B Volume | 1 | 1 |
| Viscosity @ 73°F cps | 24 | 57.5 |
| Appearance | Amber | Gray |
| Specific gravity @ 73°F | 1.09 | 1.01 |
| Flash Point °F | 245 | 360 |

Mixed

| | |
|--------------------------|------|
| Pot Life, Minutes @ 73°F | 3 |
| Cure Time Minutes @ 73°F | 10 |
| Cured Color | Gray |

Typical Cured Properties

| | | |
|--------------------------|------------|------|
| Specific Gravity | ASTM D792 | 1.07 |
| Hardness, Durometer D | ASTM D2240 | 70 |
| Tensile Strength, psi | ASTM D412 | 4300 |
| Elongation at Break % | ASTM D412 | ≤10 |
| Tear Strength | ASTM D624 | 275 |
| Compression Strength psi | ASTM C39 | 4250 |
| Bond Strength psi | | 500 |

Distributor

Brewer Cote of Arizona, Inc "The Pavement Maintenance Specialists"

5226 W Missouri Avenue, Glendale, AZ 85301

143

www.brewercoteaz.com Tel. 623-931-3728 Toll 888-931-3728 Fax 623-842-0714 sales@brewercoteaz.com