



Product Uses

Substrate	Condition/ Application	Product/ Solution
Concrete/ Application		
	Control Joints	
	Control Joints, exterior	3246 30 to 50 Shore A hardness
	Control Joints, interior	3004 A 85, machine dispense
	Warehouse, industrial, below zero joints	3003 machine, cartridge, hand mix
	Construction Joints, low movement	3004 cartridge or pump dispensed
	Construction Joints, exterior, expansion	3246 30 to 40 Shore A
	Expansion Joints	
	Expansion Joints	3246 Polyurea & Penprime 7001
	Bridges, Docks, Airfields	3246, 4037 & 7001, 6012-2F
	Parking Deck Joints	3246 & Penprime 7001, 6012-2F
	Aliphatic Control Joints & Expansion Joints	3246 Aliphatic
	* Control Joints – Clean Room Applications	3003C – Polyurea formulated Specifically for use in Clean Rooms
Concrete Rapid Repair		
	Spalls – Industrial Rapid Repair	
	Spalls interior , slabs & floors	4034 (rapid repair)
	Spalls interior, slabs & floors – damp condition	6012-2F (damp condition)
	Spalls, exterior , parking areas	4034, 6012
	Spalls – cold applications, below zero F	4034
	Spalls – Decorative Repair	
	Spalls, interior floor repair or color match	4038 Aliphatic Clear
	Spalls, interior floor polish or repair	4038 Aliphatic Clear
	Cracks	
	Cracks, slabs, floors, cold storage, -zero F	4034
	Moving Cracks , exterior	3246
	Damp Cracks	6012
	Large Cracks, moving, <u>primer</u>	Penprime 7001
	Large Cracks, moving, wet condition <u>primer</u>	6012
	Stabilizing	
	Crack Knitting/rebar & grout	4034, 6012
	Craters, large damage areas, rapid repair	4034
	Aliphatic Crack Repair, Exterior & Interior use	4038, duplex cartridge fast set
	Threshold Repairs, Cold Storage Floors	4034 + select sand
	Vertical Cracks	
	Cracks in concrete walls, parking structures	830-45/60 seconds
	semi-flexible fast set, paintable, sand-able	60/120, 120/240 & 10 min.
	Cartridge applied	
	Injection Cap Seal	
	Injection cap seal, port bonding	Bond Seal 830-240/360
	vertical or horizontal sealing	
	Injection – Cartridge Applied	
	Injection – 2:1 Cartridge fast set epoxy	6012-2F

Special order injection cartridge	4034 & ports
Voids & Casting Holes – Vertical	
Bug holes, Honeycomb , depressions, voids	830 Bond Seal
Filler under polyurea fast set spray	830 (various set times)
Concrete Treatments	
Moisture Vapor Blocker, Densifying & Sealing	
Vapor Pressure Reduction, Densifying vertical or horizontal, interior & exterior in combination with coatings	CMW-8000
Water Repellant – concrete surfaces	Aqua Bar-8001
Concrete Primers & Sealer	
Moisture vapor barrier	CMW-8000
Primers – for polyurea, urethane & epoxy	7001, 6012
Wet Conditions – concrete floors	6700
Concrete, Exterior Stamped Concrete	CMW, 5100 Aliphatic
Concrete Floors	
Floors Polyurea Fast Set Spray Systems	
Industrial forklift travel ways	1007, – aromatic
Color stable * Special Order	Aliphatic Color Stable
Caustic spill zones, acid splash	1007 High End
Non-skid aggregate application	1006
Skid-resistant stipple polyurea surface	1007
Base coat hangers, commercial/industrial	1007, 1006 – variable hardness
Aliphatic top coat, commercial/industrial	5500 roll-down
Floors & stairs – aggregate non-skid	1006, 1007 CS (CS= cartridge spray slow system)
Floors, Seamless Appearance Joint Fill	
Garage Floors cartridge applied joint filler	830-240/360, 4038
Concrete Bollards	
Structural Fill & Adhesive Caulking	
Caulking around barriers and buildings	3246 & 6012-2F
Structural caulking for vertical problems	830 vertical various speeds
Plastics & Fiberglass	
Fiberglass Bonding & Tank Repair	
Polyester cloth impregnating	830 vertical various speeds
Fiberglass modular tank bonding	800 self-leveling slow 800 self-leveling slow
Food Processing Foam Walls	
Foam Wall protection & coating – USDA	1007 Tan
Food Processing Floors	
Nova Bar floor coatings, slow and fast systems	6009 epoxy, pigmented
Food Processing Battery Rooms	
Acid barrier protection from battery acid	6012-2F/sand, 6008
Clean Room Applications	
Clean Room Terminator Sealing	
Mix & pour	3003C – 4 gallon kits
Clean Room Floor Coatings, Caulking & Bonding	
85% solids fast set roll-down Polyurea Clear	5500EX, 5100 Glossy or Matte
100%-85% solids fast set Pigmented roll-down	5500EX Gray, Tan, Mocha
100% solids structural caulking & bonding	830 vertical (various set times)
Clean Room Floor Coating, No Odor, 100% Solids	Penatron 5800 Aliphatic
Clean Room HVAC Sealing/ bonding	7001 Primer & 830 Bond Seal

Concrete Protection

Containment, Polyurea

Secondary containment, <u>acid</u> conditions	1007 CR + Nova Bar 6008
Secondary containment, chemical spill zones	1007 Fast Set Spray
Waterproofing, containment, mild conditions	1007 (standard fast set spray)
Sewer & manhole re-habilitation/coating	1007
Tank lining – flexible, chemical resistant	1006, 1007
* Contact ASTC for details	1007 for potable water applications
Tank linings – various	1007, 1006 modified elongation 6008

Polyurea Slow Set “Roll-down” Systems

Decorative Floors

Aliphatic finish, clear coat/top coat over color chip & quartz aggregate decorative floors	5500 aliphatic
Aliphatic pigmented finish	5500 aliphatic
Anti-tire shadow clear finish coat	5500 aliphatic
Overcoat joints, commercial/industrial	5500
Aliphatic top coat, commercial/industrial	5500
Stairs – aggregate non-skid	5500
Safety, yellow, red	6012-2F/sand, 5500
* Aliphatic 100% solids, no odor clear	5800 aliphatic

Decorative Floors Non Vehicle, Chips or clear/color 5100 Glossy or Matte Finish

Water Features Specialties, systems (**call ASTC**) Polyurea Spray or 5500

Water Holding Basins, Geotextile & Polyurea

Epoxy Coating, Bonding & Barrier Systems

Floors With Broadcast Aggregate Surfaces or Layers

Industrial, clear, high gloss floor finish/coating	6009
Industrial work surface, clear/pigment fast set	6012-2F/aggregate
Industrial work surface, clear/pigment slow set	6012-2S/aggregate
Industrial work surface, clear/pigment slow	6009
Decorative base coat, fast set, winter grade	6012-2F
Color quartz base coat, clear/pigmented,	6012-2F (fast set) 6012-2S (slow)
Cove floor base	6012-2F, 6012-2S
Cove floor clear or pigmented top coat	5500
Damp conditions base coat/primer	6007 WC

Heavy Industrial Protection Containment

Secondary containment, novolac, acid barrier	6100 AC
barrier, acid conditions, floors, walls, splash zones, equipment, pipes	
Protection, containment, corrosive solvent	6100 PC
splash and spill zones, floors and equipment	
Containment, primary , chemical barrier	6100 PC
tanks, vessels, equipment, walls & floors, pipes	
Base coat penetrating primer, protective coating	6012-2F

Asphalt

Repair

Surface Stabilization - degrading asphalt FOD	4034E * Call ASTC
	4037

Cracks

Joints - Asphalt

Asphalt & Asphalt to Concrete Joints	4037
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Surface Protection - Asphalt

Surface Chemical Protection	4034E
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Concrete Airfields

Airfields Lighting & Kerfs – Bonding/ Sealing FAA P606

	In-pavement Light Fixtures, Docking Systems	6012-2F Grout FAA P 606
	Kerf & Conduit	6012-2F
	Bolt Setting for light standards	6012-2F,
	Kerfs (light-to-light electrical)	6012-2F, 6012-2S
FOD	FOD & Jet Blast Damage Areas	4036E
	Asphalt Shoulders	4037
	Rapid Repair - Emergency Repair	4037, 4034, 6012-2F

Airfield Joints FAA P 605 3246 machine dispensed

Expansion Joints

Slab expansion joint - movement 3246

Airfield Fuel Containment Areas

Fuel Spill Sealing (asphalt or concrete) 4034E, Penprime 7001,
6012, Block Walls sealing membrane 1006, 1007, 830
Concrete Slabs sealing membrane 7001, 4034E, 7001,
Berm - soil, sealing and stabilization ECO-110 + 1007, 1006 or
1007 & geotextile

Airfield Airplane Hanger Floors

High chemical resistance & gloss retention 5500EX, 5800 high solids

Electrical LED's

Field sensors bonding for roads 830 & Special 6000 Series
Inductive loops for asphalt roads, stop lights 4037, 3246

Multi-Substrates Adhesive Bonding

Rigid, Semi flexible sealant chemical resistant 800 & 830
diesel, Jet fuel and hydraulic fluid, vertical or horizontal, bonds to plastics,
urethane, fiberglass

Soil Erosion & Stabilization

Road Stabilization, Rural & Industrial SOLI DROAD 510

Wind Erosion & Dust Control

Job site dust control, fugitive dust ECO-110
& DCP Dust Control, light clear short term ECO-110

Wind & Water, Sand Dune & Hillside

Heavy Duty long term Control ECO-110

Decomposed Granite Pathway Stabilization

Surface saturation for stabilization and dust ECO-110/blend

Cartridges, 21 ounce & 54 ounce Duplex

3003 - gray only 830 – natural color, black, translucent gray, 3246 – gray only 6012-2F – 2:1
cartridge natural color or gray, 4036 - black only

Application Equipment

Little Squirt Plural component electric 1:1 application pump for ASTC polyurea joint
products. Duplex Manual Guns For use with ASTC cartridges.

Pneumatic Guns For use with ASTC cartridges, special order electric duplex guns, cordless

Static mixers Available for ASTC cartridge
products.

Product Development: [Special products developed per client's requirements, please call ASTC](#)