

SELECTION & SPECIFICATION DATA

Generic Type	Fast curing, low temp, concrete repair mortar
Description	This fast-curing epoxy mortar is designed for easy application even in low temperature environments.
Typical Uses	<ul style="list-style-type: none"> • Freezer Floors • Pulp and Paper Mills • Dike Areas • Chemical Storage • Truck Unloading Platforms • Warehouse Floors • Aisleways
Primer	Steri-Prime is included and should be applied for increased adhesion. Steri-Flor Fast Patch can be applied while the primer is tacky. Do not allow primer to puddle.
Chemical Resistance	<p>Steri-Flor Fast Patch provides a broad range of resistance to acidic and caustic chemicals, including organic and inorganic substances, oils and salts.</p> <p>Can withstand 150°F continuous dry heat with excursions of up to 200°F</p>

SUBSTRATES & SURFACE PREPARATION

Concrete	Concrete must be prepared mechanically to remove surface laitance. Oils, grease and other contaminant must be removed prior to surface preparation. Concrete must be free of curing compounds and form release agents. Surface texture should be similar to 40-60 grit sandpaper or the visual standard, CSP-5 from the International Concrete Repair Institute with exposed pea gravel. The prepared surface should have a nominal tensile strength of 250 PSI per ASTM D-4541.
Metal	<p>Metal surfaces such as equipment bases, sole plates, oil pans, braces or leveling feet which the grout will rest on, or be embedded in, must be free of grease, oil, rust and scale. Where maximum adhesion is required, the contact areas should be abrasive-blasted to a white metal finish to achieve a minimum 2.0 mil profile.</p> <p>Metal surfaces which are not to be bonded to should be masked or waxed with a generous coat of good quality automotive or floor paste wax.</p>

PERFORMANCE DATA

All test data was generated under laboratory conditions. Field testing results may vary.

Test Method	Results
Bond Strength to Concrete ASTM D7234	Greater than cohesive strength of concrete
Compressive Strength ASTM C579	10,000 PSI
Flame Spread ASTM D635	<5 mm / Self Extinguishing
Flexural Strength ASTM D4060	5,000 PSI
Taber Abrasion ASTM D4060, CS-17 Wheel, 1000 Rev	60 mg
Tensile Strength ASTM C307	2,800 PSI
Water Vapor Transmission ASTM E96	.0018 Perms/in.

Steri-Flor[®] Fast Patch

PRODUCT DATA SHEET



MIXING & THINNING

Mixing | Thoroughly blend Part A with Part B before adding the aggregate. Add EA-1 Aggregate and mix 2-3 minutes or until a uniform consistency is achieved.

Ratio | Steri-Prime: 1:1 Steri-Floor Fast Patch: 2.3:1 + 30lbs EA-1

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Application Procedure | Trowel into place and finish the surface with S-30 Smoothing liquid. Lifts should be limited between a 1/2" minimum to 2" maximum.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	35°F (2°C)	35°F (2°C)	0%
Maximum	80°F (27°C)	110°F (43°C)	110°F (43°C)	90%
Optimum	70°F (21°C)	75°F (24°C)	75°F (24°C)	50%

Substrate temperature must be 5°F above the Dew Point.

CURING SCHEDULE

Surface Temp.	Pot Life	Dry Hard	Maximum Recoat Time
35°F (2°C)	30 Minutes	16 Hours	36 Hours
50°F (10°C)	25 Minutes	8 Hours	24 Hours
75°F (24°C)	20 Minutes	3 Hours	16 Hours

CLEANUP & SAFETY

Cleanup | Use S-10 Cleaning Solvent, MEK, or Acetone to clean tools and equipment.

Safety | Read and follow all caution statements on this product data sheet and on the SDS. Employ normal safety precautions. Keep container closed when not in use.

Ventilation | Ventilation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to insure all personnel are below guidelines. Use MSHA/NIOSH approved air respirators as needed.

Caution | Fire and explosion hazards: This product contains less than 1% volatile components, however, vapors are heavier than air and can travel long distances, ignite and flash back. Eliminate all ignition sources. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workers should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

PACKAGING, HANDLING & STORAGE

Packaging	<p>.3 c/f unit: <i>Packaged together in a plastic 5 gallon pail</i> Steri-Prime Part A: .06 gal (in a pint can) Part B: .06 gal (in a pint can) Steri-Flor Fast Patch Part A: 0.35 Gallon (in a .5 gal gal plastic pail) Part B: 0.15 Gallon (in a quart can) Aggregate 1 x 30lbs bag of EA-1 Yields approximately 1.9 mixed gallons</p>
Shelf Life	<p>Steri-Prime Part A: 12 months Part B: 12 months Steri-Flor Fast Patch Part A: 12 months Part B: 12 months EA-1: indefinite if kept dry</p>
Storage	<p>Warning: All Dudick products classified with DOT labels as either white, yellow or red labels must not be mixed or stored together as an explosive reaction can occur.</p> <p>All products should be stored in a cool, dry area away from open flames, sparks or other hazards.</p>

WARRANTY

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