

Print Date: 03-18-2015

SAFETY DATA SHEET

REVISION DATE: 03-04-2015

SUPERSEDES: 10-24-2013

SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER
PRODUCT INFORMATION

PRODUCT: ACCUCOLOR EFX 934 DELOREAN GRY
PRODUCT DESCRIPTION: Epoxy resin
INTENDED USE: Adhesive
PRODUCT IDENTIFIER: 829309PM

COMPANY INFORMATION

H.B. Fuller Construction Products Inc.
 1105 S. Frontenac Street
 Aurora, IL 60504
 Phone: 1-800-552-6225

Medical Emergency Phone Number (24 Hours): 1-888-853-1758
 Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION
GHS Hazard Symbols:


GHS Signal Word: Warning
GHS Classification: Skin Sensitisation Category 1; Skin Corrosion/Irritation Category 2; Hazardous to the aquatic environment - Chronic Category 2; Acute Toxicity - Inhalation Dust / Mist Category 4
GHS Hazard Phrases: Causes skin irritation.; May cause an allergic skin reaction.; Harmful if inhaled.; Toxic to aquatic life with long lasting effects.
GHS Precautions:
Safety Precautions: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
First Aid Measures: IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	PERCENT	Classification	Note
Epoxy resin	25068-38-6	50 - 70	Aquatic Chronic 2; H411 Eye Irrit. 2; H319 Skin Irrit. 2; H315	

Print Date: 03-18-2015

SAFETY DATA SHEET

Epoxy resin	68609-97-2	10 - 30	Skin Sens. 1; H317 Skin Irrit. 2; H315 Skin Sens. 1; H317	
Polystyrene	9003-53-6	5 - 10	Acute Tox. 4; H332 Eye Irrit. 2; H319 Flam. Liq. 3; H226 Skin Irrit. 2; H315	
Crystalline silica	14808-60-7	1 - 5	Carc. 1A; H350 STOT RE 1; H372	* (see below)
Polyethylene glycol, propoxylated	9003-11-6	1 - 5	Aquatic Chronic 3; H412 Acute Tox. 2; H330	
Titanium dioxide	13463-67-7	1 - 5	Carc. 2; H351	* (see below)

*This product contains one or more materials that may be hazardous when present as an airborne dust. During normal handling of the product, the material is encapsulated within the product and will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for exposure limit guidelines.

SECTION 4: FIRST AID MEASURES

IF IN EYES: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

IF ON SKIN: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

IF INHALED: Remove to fresh air. Call a physician if symptoms persist.

IF SWALLOWED: Do not induce vomiting. Seek medical attention immediately. Drink two glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use water spray, foam, dry chemical or carbon dioxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Material will burn in a fire.

SPECIAL FIRE FIGHTING INSTRUCTIONS:

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide, Carbon monoxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred.

METHODS FOR CLEAN-UP:

Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

Print Date: 03-18-2015

SAFETY DATA SHEET

SECTION 7: HANDLING AND STORAGE

Handling: Avoid contacting and avoid breathing the material. Use only in a well ventilated area.

Storage: Store in a cool, dry place.
 Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

Chemical Name	Note	ACGIH EXPOSURE LIMITS	OSHA PEL
Crystalline silica	* (see below)	0.025 mg/m ³ TWA (respirable fraction)	((250)/(%SiO ₂ + 5) mppcf TWA (respirable)); ((10)/(%SiO ₂ + 2) mg/m ³ TWA (respirable)); ((30)/(%SiO ₂ + 2) mg/m ³ TWA (total dust))
Titanium dioxide	* (see below)	10 mg/m ³ TWA	15 mg/m ³ TWA (total dust)
Wax, polyethylene		2 mg/m ³ TWA (fume)	Not established

*This product contains one or more materials that may be hazardous when present as an airborne dust. During normal handling of the product, the material is encapsulated within the product and will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

ENGINEERING CONTROL METHODS:

VENTILATION: Use local exhaust ventilation or other engineering controls to minimize exposures.

EYE PROTECTION: Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

SKIN PROTECTION: Avoid skin contact by wearing chemically resistant gloves and long sleeved shirt. An apron may be appropriate if splashing can occur.

GLOVES: Nitrile

RESPIRATORY PROTECTION: Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. NIOSH approved air purifying respirator with dust/mist filter if product is sprayed. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR:	Gray
ODOR:	Aromatic Mild
ODOR THRESHOLD:	Not established
pH:	Not established
FREEZING/MELTING POINT (deg. C):	Not established
BOILING POINT (deg. C):	Not established

Print Date: 03-18-2015

SAFETY DATA SHEET

FLASH POINT:	Not applicable
EVAPORATION RATE:	Not established
FLAMMABILITY:	Not a flammable solid or gas
UPPER EXPLOSIVE LIMIT (% in air):	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
VAPOR PRESSURE (mm Hg):	Not established
VAPOR DENSITY:	Not established
WEIGHT PER GALLON (lbs.):	8.70
SPECIFIC GRAVITY:	1.080
SOLUBILITY:	Not established
OCTANOL/WATER COEFFICIENT:	Not established
AUTOIGNITION TEMPERATURE:	Not established
DECOMPOSITION TEMPERATURE:	Not established
VISCOSITY:	No data available.
SOLIDS (% by weight):	100.0
VOC, weight percent	0.00

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
CHEMICAL INCOMPATIBILITY:	Not established
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION
Component Toxicity / Toxicology Data:

COMPONENT NAME	LD50/LC50
Fly ash	ORAL LD50 RAT > 2,000 MG/KG
Crystalline silica	ORAL LD50 RAT 500 MG/KG
Polyethylene glycol, propoxylated	INHALATION LC50-4H RAT 320.00 MG/M3
Titanium dioxide	ORAL LD50 RAT > 10,000 MG/KG

This product is a mixture. Unless noted, the information below is based on components.

Skin corrosion / irritation: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Serious eye damage / irritation :Can cause moderate irritation, tearing and reddening.

Respiratory / skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: No data available.

Carcinogenicity: Contains a material that may cause cancer.

Reproductive toxicity: No data available.

Specific target organ toxicity-single exposure: No data available.

Respiratory irritation / Narcotic effects: No data available.

Specific target organ toxicity-repeated exposure: No data available.

Target organs potentially affected by exposure: Skin Lungs

Aspiration hazard: No data available.

Print Date: 03-18-2015

SAFETY DATA SHEET

Medical Conditions Aggravated by Exposure: Skin disease including eczema and sensitization, Lung disease

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available for this product.
MOBILITY: No data available.
PERSISTENCE: No data available.
BIOACCUMULATION: No data available.

This product has not been tested for ecological effects. Relevant information for components is listed below:

Component:	Ecotoxicity values:
No data available.	Acute Toxicity (Fish): Acute Toxicity (Daphnia): Acute Toxicity (Algae):

SECTION 13: DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Disposal via incineration at an approved facility is recommended as industry best practice. Consult state, local or provincial authorities for more restrictive requirements.

SECTION 14: TRANSPORT INFORMATION

Consult Bill of Lading for transportation information.

US DOT: NOT REGULATED
IATA: NOT REGULATED
IMDG: NOT REGULATED

SECTION 15: REGULATORY INFORMATION

INVENTORY STATUS

U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's Inventory requirements.
CANADIAN CEPA DSL: The components of this product are included on the DSL or are exempt from DSL requirements.
EUROPEAN REACH: As a result of the introduction of REACH into Europe, this product cannot be imported into Europe unless the REACH requirements are met.
AUSTRALIA AICS: This product contains a component that is not on the Australian Inventory (AICS).
CHINA IECSC INVENTORY: This product is in compliance with the Inventory of Existing Chemical Substances in China (IECSC) requirements.

If you need more information about the inventory status of this product call 651-236-5858.

This product may contain chemical substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others). Before exporting this product from the USA or Canada, we recommend you contact us at reg.request@hbfuller.com to request an export review.

FEDERAL REPORTING
EPA SARA Title III Section 313

Print Date: 03-18-2015

SAFETY DATA SHEET

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS#	%
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WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.
 D2B D2A

STATE REPORTING

Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

Unless listed below, this product does not contain known levels of any chemical known to the State of California to cause cancer or reproductive harm.

Chemical Name/List	CAS	Percent
Quartz (Carcinogen)	14808-60-7	1 - 5
Titanium dioxide (Carcinogen)	13463-67-7	1 - 5
Carbon black (Carcinogen)	1333-86-4	0.01 - 0.1
Phenyl glycidyl ether (Carcinogen)	122-60-1	< 10 ppm
Epichlorohydrin (Carcinogen)	106-89-8	< 10 ppm
Benzene (Carcinogen)	71-43-2	< 10 ppm
Methanol (Developmental toxin)	67-56-1	< 10 ppm
Benzene (Developmental toxin)	71-43-2	< 10 ppm
(Phenoxymethyl) oxirane (Male reproductive toxin)	122-60-1	< 10 ppm
Epichlorohydrin (Male reproductive toxin)	106-89-8	< 10 ppm
Benzene (Male reproductive toxin)	71-43-2	< 10 ppm

Substances of Very High Concern (SVHC) Content:

Unless listed below, this product does not contain SVHC's.

SECTION 16: OTHER INFORMATION

SDS VERSION DATE: 03-04-2015

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

HMIS RATING: HEALTH -- 2 FLAMMABILITY -- 1 REACTIVITY -- 0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

Prepared by: The Global Regulatory Department

Phone: 651-236-5842

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to H.B. Fuller Construction Products, Inc. from its suppliers, and because H.B. Fuller Construction Products, Inc. has no control over the conditions of handling and use, H.B. Fuller Construction Products, Inc. makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and H.B. Fuller Construction Products, Inc. assumes no responsibility for use or reliance thereon. It is the responsibility of the user of H.B. Fuller Construction Products, Inc. products to comply with all applicable federal, state and local laws and regulations.



AccuColor EFX® Epoxy Special Effects Grout

1. PRODUCT NAME

TEC® AccuColor EFX® Epoxy Special Effects Grout (TA-440)



VOC 0 g/L, less water
Product contains recycled material.
Part A: 12% pre-consumer

2. MANUFACTURER

H.B. Fuller Construction Products Inc.
1105 South Frontenac Street
Aurora, IL 60504-6451 U.S.A.
800.552.6225 Office
800.952.2368 Fax
tecspecialty.com

3. DESCRIPTION

A dual-purpose mortar/grout, three-part epoxy system for interior (both interior/ exterior when used as grout) floors, walls and countertops is designed for residential to extra heavy commercial use. Used as a grout, this system is recommended wherever complete stain or chemical resistance is required and/or desired. High temperature (HT) formula is approved for surfaces subject to extreme heat or steam cleaning [up to 350°F (177°C)]. Used as a mortar, this system is ideal for installing green marble and other moisture-sensitive stones and agglomerates over a wide variety of substrates, including cold rolled steel.

NOTE: This data sheet describes AccuColor EFX® Epoxy Grout for **use as a grout**. Refer to the Mortar version of this data sheet for **use as a mortar**.

Key Features and Benefits

- Improved clean-up
- High chemical resistance
- Extremely durable and impact resistant
- For grouting installations in Foodservice Operations such as commercial kitchens where enzymatic cleaners are used.
- Ideal for grouting walls [up to 1/4" (6 mm) grout joint], floors, and countertops
- Meets or exceeds ANSI A118.3 Standards
- Excellent stain resistance
- Easy application
- Superior UV stability reduces yellowing

Coverage

Figures shown in the chart are presented only as guidelines.

Tile Size	Joint Width in inches (mm)									
	1/16" (1.6)	1/8" (3)	1/4" (6)	3/16" (9)	1/2" (12)	5/16" (1.6)	3/8" (3)	1/2" (6)	5/8" (9)	3/4" (12)
	per 3 gallon kit (11.35 L)					per 1.5 gallon kit (5.68 L)				
1" x 1" x 1/2" (25 x 25 x 6 mm)	114 (10.6)	57 (5.3)	28 (2.6)	19 (1.8)	14 (1.3)	57 (5.3)	29 (2.7)	14 (1.3)	10 (0.9)	7 (0.7)
2" x 2" x 1/2" (50 x 50 x 6 mm)	229 (21.3)	114 (10.6)	57 (5.3)	38 (3.5)	28 (2.6)	115 (10.7)	57 (5.3)	29 (2.7)	19 (1.8)	14 (1.3)
4 1/2" x 4 1/2" x 3/8" (106 x 106 x 8 mm)	339 (36.1)	194 (18.0)	97 (9.0)	64 (5.9)	48 (4.5)	195 (18.1)	97 (9.0)	49 (4.5)	32 (3.0)	24 (2.3)
4" x 8" x 1/2" (100 x 200 x 12 mm)	305 (28.3)	152 (14.1)	76 (7.1)	50 (4.6)	38 (3.5)	153 (14.2)	76 (7.1)	38 (3.6)	25 (2.3)	19 (1.8)
6" x 6" x 5/8" (150 x 150 x 8 mm)	549 (51.0)	274 (25.5)	137 (12.7)	91 (8.5)	68 (6.3)	275 (25.5)	137 (12.8)	69 (6.4)	46 (4.3)	34 (3.2)
6" x 6" x 1/2" (150 x 150 x 12 mm)	343 (31.9)	171 (15.9)	85 (7.9)	57 (5.3)	42 (3.9)	172 (16.0)	86 (8.0)	43 (4.0)	29 (2.7)	21 (2.0)
8" x 8" x 3/4" (200 x 200 x 8 mm)	733 (68.1)	366 (34.0)	183 (17.0)	122 (11.3)	91 (8.5)	367 (34.1)	183 (17.0)	92 (8.5)	61 (5.7)	46 (4.3)
8" x 8" x 1/2" (200 x 200 x 9 mm)	458 (42.5)	229 (21.3)	114 (10.6)	76 (7.1)	57 (5.3)	229 (21.3)	115 (10.7)	57 (5.3)	38 (3.6)	29 (2.7)
12" x 12" x 3/4" (300 x 300 x 8 mm)	1099 (102.1)	549 (51.0)	274 (25.5)	183 (17.0)	137 (12.7)	550 (51.1)	275 (25.5)	137 (12.8)	92 (8.5)	69 (6.4)
16" x 16" x 3/4" (400 x 400 x 8 mm)	1466 (136.2)	733 (68.1)	366 (34.0)	244 (22.7)	163 (17.0)	733 (68.1)	367 (34.1)	183 (17.0)	122 (11.4)	92 (8.5)

* Not for wall grout applications.

Packaging

3 Gallon (11.35 L) Kit:

Part A: Two 1/2 Gallon (64 fl. oz.) (1.89 L), Resin/Pigment sold separately

Parts B & C: Two 22.6 fl. oz. (.67 L) Part B and two 11.1 lbs (5.03 kg)

Parts B & C packaged in a 5 gallon plastic pail (18.92 L)

Colors

Part A (1/2 gallon/64 fl. oz./1.89 L): Available in 12 standard colors and 700+ formulated special order colors with optional metallic (bronze, silver and gold) or glow-in-the-dark enhancers.

Storage

Freeze/thaw stable. Store in a dry location. Do not store open containers.

Shelf Life

Maximum of 18 months from date of manufacture in unopened package.

Limitations

- When used as a mortar, AccuColor EFX® Epoxy Grout is recommended for interior use only.
- When used as a grout, AccuColor EFX® Epoxy Grout is recommended for interior and exterior applications.
- Not recommended for soft polished marble or delicate glazed tiles.
- Not for use over rubber or strip wood floors.
- For setting light colored marble or stone, use 931 Standard White mortar.
- Do not apply over dimensionally unstable surfaces such as: single-layer wood floors, lauan plywood, particle board, oriented strand board or poured gypsum underlayments.
- AccuColor EFX® Epoxy Grout should not be applied when the temperature of the area to be tiled is below 60°F (16°C) as this delays the curing process. Maintain working temperature at 60-90°F (16-32°C).
- Note that yellowing from UV exposure can occur in any 100% solids epoxy product, and for this reason, H.B. Fuller Construction Products Inc. cannot guarantee that yellowing will not occur.
- Glow-in-the-dark effect lasts up to 3 hours pending exposure to light source. Level of illumination may decrease after several years or under extreme environmental conditions.

Cautions

Read complete cautionary information printed on product container prior to use. For medical emergency information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered TEC® brand product(s) under normal environmental and working conditions. Because each project is different, H.B. Fuller Construction Products Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

4. TECHNICAL DATA

ANSI 118.3 Chemical Resistance (ASTM C267)

AccuColor EFX® Epoxy Special Effects Grout (TA-440)					
Chemical Name	Room Temp.	Boiling	Chemical Name	Room Temp.	Boiling
Acetic Acid 3%	R	R	Carbon Disulfide	C	—
Acetic Acid 10%	N	R	Carbon Tetrachloride	R	R
Acetic Anhydride	N	—	Chloroacetic Acid 10%	N	R
Acetic Acid Glacial	N	N	Chloroacetic Acid 50%	N	N
Acetone	N	C	Citric Acid 20%	R	R
Aluminum Fluoride	R	R	Chlorobenzene	N	—
Ammonium Bromide	R	R	Chlorine Water (Bleach)	R	R
Amyl Alcohol	R	N	Chromic Acid 10%	R	R
Aniline	N	—	Cooking Grease	R	N
Barium Hydroxide	R	R	Cresol	N	N
Beer	R	R	Ethyl Alcohol	C	R
Benzaldehyde	N	—	Ethyl Amine	N	R
Benzene	N	N	Ethyl Bromide	N	R
Benzyl Acetate	C	N	Ferric Chloride	R	R
Benzyl Alcohol	N	—	Formic Acid Glacial	N	N
Bromine Water	R	R	Formic Acid 10%	N	R
Butanol	R	R	Household Ammonia	R	R
Butyl Acetate	N	N	Hydrobromic Acid 10%	R	R
Butyl Cellosolve	N	N	Hydrochloric Acid 10%	R	R
Calcium Chloride	R	R	Hydrochloric Acid 37%	R	R
Calcium Hydroxide	R	R	Hydrofluoric Acid 10%	R	R

Chemical Name	Room Temp.	Boiling	Chemical Name	Room Temp.	Boiling
Hydrofluoric Acid 48%	R	—	Sodium Hypochlorite	R	R
Hydroic Acid 20%	R	R	Sodium Hydroxide	R	R
Lactic Acid 3%	N	R	Soy Sauce	R	R
Lactic Acid 10%	N	R	Sulfuric Acid 10%	R	N
Nitric Acid 10%	R	R	Sulfuric Acid 45%	R	R
Nitric Acid 50%	N	N	Sulfuric Acid 95%	N	N
Nitrobenzene	N	—	Tetrahydrofuran	N	N
Nitrotoluene	N	R	Trisodium Phosphate 5%	R	R
Oleic Acid	R	R	Vegetable Oil	R	R
Phenol	N	N	Wine	R	R
Phosphoric Acid 10%	R	R	KEY		
Potassium Hydroxide 5%	R	R	R = No Visual Deterioration and Compressive Strength >4000 psi		
Potassium Hypochlorite	R	R	C = No Visual Deterioration and Compressive Strength <4000 psi		
Potassium Persulfate	N	N	N = Visual Deterioration		
Pyridine	N	N	— = Not Tested		
Pyridine 20%	C	N	Data for Epoxies is Based on Immersion Testing.		
Sat. Sugar Soln	R	R	Room Temperature testing is conducted for 28 days.		
Sodium Carbonate	R	R	Boiling tests are run for 1 hour		

Applicable Standard

Meets or exceeds ANSI A118.3 specifications

AccuColor EFX® Epoxy Special Effects Grout (TA-440)

Description	ANSI Requirement	Typical Results
Bond Strength Quarry Tile	1000 psi (6.9 MPa)	> 1300 psi (9.0 MPa)
7 Day Linear Shrinkage <i>Tested in accordance with ANSI A118.3 Specifications for Chemical Resistance, Water Cleanable, Tile Setting, and Grouting with 100% Epoxy.</i>	< 0.25% shrinkage	0.06% shrinkage
7 Day Compressive Strength (ASTM C579)	3500 psi (24.2 MPa)	> 5000 psi (34.2 MPa)
7 Day Tensile Strength (ASTM C307)	1000 psi (6.9 MPa)	> 1500 psi (10.3 MPa)

Greater than: > Greater than or equal to: ≥ Less than: < Less than or equal to: ≤

Physical Properties

Description	
Physical State	Paste, once mixed
Pot Life [at 70°F (21°C)]	90 minutes
Initial Set	10 to 14 hours
Final Cure	28 days
Foot Traffic Rating (ASTM C627)	Residential to Extra Heavy Commercial (depending on substrate)
Storage	Store in cool, dry location. Do not store in direct sunlight. Do not store open containers.
Shelf Life	Maximum 18 months from date of manufacture in properly stored, unopened package

5. INSTALLATION INSTRUCTIONS

Mixing

All tiling materials, room and product should be kept at 60-90°F (16-32°C) for 24 hours before, during and after application. All materials and equipment used in mixing AccuColor EFX® Epoxy Grout must be clean and dry. Wear rubber gloves to avoid skin contact. Separately stir individual containers of Part A and Part B prior to blending together, using a different paddle to stir each component.

Pour Part A and Part B into the mixing pail provided with this kit, scraping all material from each container. Blend thoroughly with a low speed mixer (not to exceed 300 rpm) to avoid entraining air for a minimum of 3 minutes. Continue mixing and slowly add the dry powder Part C. Use entire quantity of Part C for use as a wall grout.

If easier workability is desired for floor installations, use less Part C.
For 3 Gallon (11.35 L) Kit, use up to 1½ quarts (1.42 L) less of Part C.
For 1.5 Gallon (5.68 L) Kit, use up to ¾ quart (.71 L) less of Part C.

Application

Tile and joint surfaces must be clean and dry. Pour the entire mixed grout unit into multiple piles on the surface to be grouted, leaving none in pail. Fully pack the grout joints with a clean, hard rubber epoxy float. Force the grout into the joints to eliminate any gaps or air pockets. Work only a small area at one time [15-20 sq. ft. (1.4-1.9 m²)]. Apply in a diagonal direction across the tile to prevent the grout from being dragged out of the joints. Remove any excess grout from the surface of the tile by holding the float at a 90° angle to the surface and moving it diagonally across the grout joints. Clean tiles immediately. Do not allow epoxy to harden on face of tile.

Clean-up

The use of TEC® AccuColor EFX® Clean-up Water Concentrate (TA-442) is highly recommended. Add ½ cup (118 ml) AccuColor EFX® Clean-up Water Concentrate to 4 gallons (15.14 L) rinse water.

Lightly scour the tiled surface with a nylon scrubbing pad and plenty of clean water*. Wipe across tiles diagonally to avoid removing grout from joints. Wipe remaining grout residue off tile with a grout sponge and clean water*. Rinse often. Repeat until cleaned. Frequent change out of clean-up water* is recommended. Use a pail of fresh clean water* every 40 to 50 square feet. NOTE: During clean-up, protect ungrouted joints from water.

Inspect the installed grout the next day to determine if residual haze is present on the tile surface. For removing any remaining grout residue, use a grout haze remover.

*For best results use of TEC® AccuColor EFX® Clean-up Water Concentrate (TA-442)

Curing/Additional Information

Job may be opened to light traffic 24 hours after grouting. Complete cure and stain resistance will be achieved in 7 days. Minor color variations may exist from batch to batch. Therefore, before using AccuColor EFX® Epoxy Grout, check for matching lot numbers on each pail. If you find it necessary to use more than one lot number per color, plan the use of individual lots for different areas to diminish the appearance of any shade variations.

6. AVAILABILITY

TEC® Premium Tile and Stone Installation Products are available nationwide. To locate TEC® products in your area, please contact:

Phone: 800-832-9002
Website: tecspecialty.com

7. WARRANTY

For warranty details, see your sales associate or tecspecialty.com.

8. MAINTENANCE

Not applicable

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling the Technical Support Hotline.
Toll Free: 800-832-9023
Fax: 630-952-1235

Technical and safety literature

To acquire technical and safety literature, please visit our website at tecspecialty.com.

10. FILING SYSTEM

Division 9

tecspecialty.com