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Devcon : 13101

Brunel Close,
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FLOOR PATCH

PRODUCT DATA SHEET

An effective concrete patching compound that bonds concrete, brick, masonry, metal or wood surfaces.

RECOMMENDED APPLICATIONS:

- Forms an effective bond to new or old concrete
- Easily troweled to thickness of 6mm or more
- Functional cure in 8 hours, while in 16 hours to full cure
- Interior or exterior application
- Resists water, oil, gasoline, alkalis, and most chemicals
- Authorised by USDA for use in generally inspected meat and poultry plants
- Cured compressive strength is a tough, durable 55N/mm² more than three times the typical strength of concrete

PRODUCT DATA

Typical Properties: 7 day cured at 24° C

Coverage, sq. mtr.....	1.8 @ 6.0mm 20kg unit
Application temperature minimum °C.....	16
Pot life minutes @ 25° C.....	45
Cure time, hours @ 20° C.....	16
Operating temperature maximum ° C.....	121
Percentage of solids.....	100
Hardness shore D.....	85
Viscosity w/hardener cps.....	putty

Chemical resistance 7 days room temperature cure, 30 days immersion

Kerosene	Very Good
Hydrochloric Acid 10%	Very Good
Chlorinated solvents	Very Good
Sulphuric Acid 10%	Very Good
Methanol	Fair
Toluene	Unsatisfactory
Ammonia	Very Good
Sodium Hydroxide 10%	Very Good

Epoxies are very good in water, saturated salt solution, leaded gasoline, mineral spirits. ASTM #3 oil and propylene glycol. Epoxies are generally not recommended for long-term exposure to concentrated acids and organic solvents.

APPLICATION INFORMATION

Surface Preparation:

Proper surface preparation is essential to the success and performance of Devcon Floor Patch. In all cases the application surface must be sound, rough, clean, oil-free and dry.

NEW POURED CONCRETE should be allowed to cure fully (28 days @ 21° C) prior to application. If a curing membrane was used, it must be removed by sanding or etching with a strong detergent. If no curing membrane was used, the surface should be etched using Devcon's B-4 and environmentally-safe acid etch.

OLD CONCRETE application procedures are the same as for new concrete, except it is essential to thoroughly clean the surface. Use a grease-cutting detergent to remove grease and oils. All loose or unsound concrete should be removed by suitable mechanical means such as chipping, scarifying, shotblasting, sanding or grinding.



Certificate No. FM 11623

Registered England No. 559693 Registered Office PO Box 87, Queensway, Fforestfach, Swansea SA5 4YE



SAFETY DATA SHEET

PRINT DATE: 05/12/1994

REF: X0033

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name:

DEVCON FLOOR PATCH RESIN

Supplier:

ITW DEVCON UK

Brunel Close, Park Farm,

Wellingborough, Northants NN8 3QX

Emergency telephone number:

01933 675299

Fax No:

01933 675765

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Chemical Name

CAS-No

EEC-No

Class

Weight %

BISPHENOL A-(EPICHLORHYDRIN) (REACTION
PRODUCT)

603-074-00-8 Xi; R36/38-43

<60

3. HAZARDS IDENTIFICATION

Most important hazards: Mild skin irritation

Specific hazards Irritating to eyes and skin

4. FIRST AID MEASURES

General advice: Avoid contact with skin and eyes

Skin contact: Wash off immediately with soap and plenty of water

Eye contact: Consult a physician. Show this safety data sheet to the doctor in attendance

Ingestion: Consult a physician if necessary

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: dry powder, foam, carbon dioxide (CO2)

Extinguishing media which must not be used for safety reasons:

high volume water jet

Specific hazards: Burning produces irritant fumes

Special protective equipment for firefighters: In the event of fire, wear self contained breathing
apparatus, protective suit

Specific methods: Standard procedure for chemical fires

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with the skin and the eyes

Environmental precautions: Do not let product enter drains

Methods for cleaning up: Soak up with inert absorbent material, Transfer to covered steel drums

Product name: **DEVCON FLOOR PATCH
RESIN**

7. HANDLING AND STORAGE

Handling: Use only in well-ventilated areas. Keep away from heat and sources of ignition.
General industrial hygiene practice

Storage: Keep containers tightly closed in a cool, well-ventilated place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name:

National occupational exposure limits:

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

Engineering measures

- Respiratory protection: No personal respiratory protective equipment normally required
- Hand protection: rubber or plastic gloves
- Eye protection: face-shield
- Skin and body protection: lightweight protective clothing

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Do not smoke.
General industrial hygiene practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: viscous liquid Colour: yellow Odour: slight

pH: (50 g/l H₂O) 7.0

Flash point: > 204 °C

Relative density: - lower 1.10 (20 °C)

Water solubility insoluble (25 °C)

Viscosity: (25 °C) 600

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid: 50°C

Materials to avoid: strong acids and oxidizing agents

Hazardous decomposition products: Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Components of the product may be absorbed into the body by inhalation, ingestion and through the skin

Local effects: Moderate skin irritation

Sensitization: Epoxy resins with an average molecular weight of less than 700 may cause sensitization

12. ECOLOGICAL INFORMATION

Mobility: Do not let product enter drains

Other information: formulated product - Not applicable

Product name: **DEVCON FLOOR PATCH
RESIN**

REF: X0033

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Solidify unexposed surplus and dispose of together with processed material as cured plastic waste - In accordance with local and national regulations

Contaminated packaging: In accordance with local and national regulations

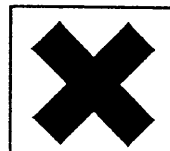
14. TRANSPORT INFORMATION

General advice Not classified as dangerous in the meaning of transport regulations

15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 90/492/EEC

- Contains: Contains epoxy constituents. See information supplied by the manufacturer
- Symbol(s):



Xi - Irritant

R-phrases: R36/38 - Irritating to eyes and skin..R43 - May cause sensitization by skin contact..

S-phrases: S28 - After contact with skin, wash immediately with plenty of ... soapy water. S37/39 - Wear suitable gloves and eye/face protection..

16. OTHER INFORMATION

Recommended use:

Recommended restrictions:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication

SAFETY DATA SHEET

PAGE: 1 of 3

PRINT DATE: 05/12/1994

REF: X0040A

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name:

FLOOR PATCH HARDENER

Supplier:

ITW DEVCON UK

Brunel Close, Park Farm,

Wellingborough, Northants NN8 3QX

Emergency telephone number:

01933 675299

Fax No:

01933 675765

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Chemical Name	CAS-No	EEC-No	Class	Weight %
DIETHYLENETRIAMINE	111-40-0	612-058-00-X	Xn; R21/22 C; R34 Xi; R43	40-70

3. HAZARDS IDENTIFICATION

Most important hazards: Corrosive

Specific hazards Causes severe irritation of eyes, skin and mucous membranes ,

4. FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance

Inhalation: Move to fresh air ,If symptoms persist, call a physician

Skin contact: Wash off immediately with soap and plenty of water ,Remove immediately adhering matter

Eye contact: Rinse immediately with plenty of water for at least 15 minutes

Ingestion: Do not induce vomiting. Drink plenty of water. Call a physician immediately ,Corrosive

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: carbon dioxide (CO2) ,dry chemical ,foam.

Special protective equipment for firefighters: In the event of fire, wear self contained breathing apparatus ,protective suit.

Specific methods: Standard procedure for chemical fires

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment

Environmental precautions: Do not let product enter drains

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust), Keep in suitable, closed containers for disposal

Product name: **FLOOR PATCH HARDENER**

7. HANDLING AND STORAGE

- Handling:** Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas.
- Storage:** Keep away from open flames, hot surfaces and sources of ignition, Keep containers tightly closed in a dry, cool and well-ventilated place.
-

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Chemical Name:** DIETHYLENETRIAMINE **National occupational exposure limits:**
- Engineering measures** Ensure adequate ventilation, especially in confined areas
- **Respiratory protection:** No personal respiratory protective equipment normally required ,In case of insufficient ventilation, wear suitable respiratory equipment
 - **Hand protection:** nitrile rubber
 - **Eye protection:** safety glasses with side-shields.
 - **Skin and body protection:** protective suit. Rubber or plastic boots.
- Hygiene measures:** When using, do not eat, drink or smoke ,Wash hands before breaks and immediately after handling the product
-

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid	Colour:	amber	Odour:	amine-like
pH:	(50g/l H ₂ O)	11	(20 °C)		
Flash point:		124	°C		
Relative density:		- lower	1.03	(20 °C)	

10. STABILITY AND REACTIVITY

- Stability:** Stable
- Conditions to avoid:** Keep away from heat
- Materials to avoid:** strong acids and oxidizing agents
- Hazardous decomposition products:** carbon oxides nitrogen oxides (NO_x)
-

11. TOXICOLOGICAL INFORMATION

- Acute toxicity:** LD₅₀/oral/rat = 1080mg/kg
LD₅₀/dermal/rat = 1090mg/kg
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12. ECOLOGICAL INFORMATION

- Mobility:** Do not let product enter drains
- Other information:** formulated product .Not applicable
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13. DISPOSAL CONSIDERATIONS

- Waste from residues / unused products:** Solidify unexposed surplus and dispose of together with processed material as cured plastic waste

Contaminated packaging:

Product name: FLOOR PATCH HARDENER

REF: X0040A

14. TRANSPORT INFORMATION

Proper shipping name: Corrosive liquids, n.o.s

UN-No: 1760

ADR/RID Class: 8

HI/UN No: 1760

IMO Class: 8

IMDG Page: 8147

EmS: 8-15

MFAG: 760

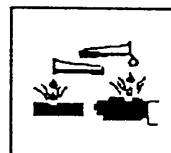
ICAO Class: 8

UN/ID No: 1760

15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 90/492/EEC

- Contains: Corrosive liquids, n.o.s
- Symbol(s):



C - Corrosive

R-phrases: R34 - Causes burns.. R43 - May cause sensitization by skin contact..

S-phrases: S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection..

16. OTHER INFORMATION

Recommended use:

Recommended restrictions:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication