

FLEX-C-MENT™
TECHNICAL DATA SHEET

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SECTION 1 – Identification of substance

Product details: Product Code FCMFLXSSPSM

Trade name: FLEX-C-MENT™ Flex Seal Supreme SM

Article Number: 00006

Application of the substance / the preparation: Solvent Based Acrylic Sealer for concrete overlays

Supplier

DBS Insaat Taah Kimya San ve Tic Ltd Sti

Akse Mah 471 Sok No.15 Cayirova / Gebze – KOCAELI /TURKEY

Tel : +90 262 744 96 32

Fax : +90 262 744 27 14

e-mail : info@dekorbeton.com

Emergency information: +90 262 744 96 32

SECTION 2- Hazards identification



Xn : Harmful

- R10 flammable
R20/21 harmful by inhalation and in contact with skin
R36/37/38 irritating to eyes, respiratory system and skin
R42 may cause sensitization by inhalation
R43 may cause sensitization by skin contact

Flammable. Harmful by inhalation. May cause sensitization by inhalation. Repeated exposure may cause skin dryness or cracking

SECTION 3 - Composition/information on ingredients

No hazardous materials present at this product	Cas No:	EC No:	Pre-Registration Ref. Number
Acrylic Copolymer (modified acrylic resin)	151-21-3	205-788-1	05-2115119871-48-0000
Solvent Mixture (Xylene)	8026-09-3	215-535-7	05-2117964661-36-0000
Silica matting agent (silicon dioxide)	112945-52-5	231-545-4	05-2117965068-33-0000

SECTION 4 – Handling and Storage

Keep container dry and tightly closed in a cool and well ventilated place. Further information on the storage conditions which must be observed to preserve quality can be found in our product information sheet.

Ensure adequate ventilation or exhaust ventilation in the working area.

Exhaust ventilation necessary if products sprayed.

Avoid contact with skin and eyes.

Provide adequate ventilation and if necessary, air extraction in working areas. Explosion protection required.

SECTION 5-Exposure Controls/Personal Protection

Wear suitable protective clothing, protective gloves and protective goggles/mask. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended.

In case of hypersensitivity of the respiratory tract (e.g. asthmatics and those who suffer from chronic bronchitis) it is inadvisable to work with the product. Symptoms affecting the respiratory tract can also occur several hours after overexposure.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at end of the work. Keep working clothes separate. Take off immediately all contaminated clothing.

SECTION 6-Physical and Chemical Properties

Form : Viscous clear liquid

Color : Transparent

Odor : Smell of solvent

Initial boiling point : Approximately 109 °C

Density : Approximately 910 kg/cm³ at 20 °C

Approximately 300-500 mPa at 23°C Viscosity

Solubility in water : Insoluble

Flash point : < 28°C

Evaporation rate : (BAC=1) <1

SECTION 7 - Stability and Reactivity

Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly. No reaction with water and organic solvents.

SECTION 8 – Technical Information

BINDER TYPE: Thermoplastic Acrylic Resin

VISCOSITY: 75-80 Sec .Ford Cup 4/25°C

SPECIFIC GRAVITY: 0.98-0.99 gr/cm³

SOLID CONTENT(Weight %): 35 %

RECOMENDED FILM THICKNESS: 20 micron dry-film as a single coat.

COVERAGE(at recommended film thickness):250 gram / sqm

DRYING TIMES: :Touch dry after 15-20 min ; Hard dry 12 hours at 25 ° C and 65% relative humidity .

At temperatures below 10 °C or conditions of high humidity ,the drying time will be extended.

GLOSS VALUE(60°): 30 MAT

FLASH POINT:28 ° C

THINNING / THINNING RATIO: Do not dilute / Ready to use

STORAGE TEMPERATURE: Do not keep above the temperature of +35 °C.

SECTION 9 – Uses and Application

Surface Preparation

Due to the wide variety of sub-strates, preparation methods, application methods and environments, the customer should test the product in an inconspicuous spot for adhesion and compatibility prior to full scale application. All surfaces must be clean, dry and free of grease, oil, paint, sealers, etc

Application

Should be applied on to a dry surface.

Weather, surface and material temperature must be between +5° and +35°C and at least above the dew point during and for 24 hours after application. Do not apply if rain is expected in 6 hours following the application.

Apply with brush, roller or sprayer.

When applying at 2 layers;

First Coat: Mix Flex Seal Supreme SM with 20% Xylene for better penetration of first coat. Apply first coat evenly, working in one direction. Allow to dry at least 8 hours before applying the second coat. Do not over work - brushing or rolling back over partially dried material may cause lifting of the coating from the surface.

Allow the material to dry properly. Second Coat : For best coverage, apply the second coat perpendicular to the first coat. Two coats of Flex Seal Supreme SM sealer are usually sufficient.

Flex Seal Supreme is transparent acrylic based sealer formulated to bond with concrete or masonry surfaces to provide a long lasting, hard, decorative finish.

Features:

- Low film build maintains architectural details
- Protects and beautifies exterior concrete and masonry
- Bonds with the surface
- Long lasting finish
- Resists oil, gasoline, water, and Ultra Violet light

Recommended Uses:

- Bridges and Bridge Structures
- Parking Garages
- Patios and Walkways
- Pool Decks
- Concrete Driveways
- Garage Floors
- Block & Stucco Walls
- Other Concrete Structures

Flex Seal Supreme SM is a Solvent based concrete Sealer and mainly used for exterior concrete surfaces. It can be used on interior surfaces, such as garage floors, only if the area allows for very good ventilation.

SHELF LIFE: 2 years in non-opened original can and under proper storage conditions.

SECTION 10 – Other Information

The data contained herein are furnished for information only and are believed to be reliable. However, DBS LTD does not assume responsibility for any results obtained by persons over whose methods DBS LTD has no control. It is the user's responsibility to determine the suitability of DBS's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of DBS's products. In light of the foregoing, DBS LTD specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of DBS LTD's products. DBS LTD further disclaims any liability for consequential or incidental damages of any kind, including lost profits.