

# EG-4400

## CRACK FILLER

1-844-557-3729



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### TECHNICAL SHEET (version 08/2021)

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#### Description

**Crack Filler** is a two-component structural epoxy system designed to repair vertical and horizontal cracks. It adheres very well to concrete, masonry, wood, metal and some types of plastics. It has excellent mechanical and chemical properties.

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#### Benefits

- Fast cross-linking in thin layer
  - Excellent Resistance to the proliferation of fungi and bacteria
  - Stable in continuous immersion in water at low temperature
  - No VOCs, allowing interior application without harmful odors
  - No particulate emissions (no phenol)
  - Excellent adhesive properties with concrete
  - Good resistance to de-icing fluid (Ethylene glycol)
  - Very easy to clean
  - Compliant with CFIA & LEED 2009 standards
  - Good resistance to de-icing fluid (Ethylene glycol)
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#### Application

Sealing of vertical and horizontal cracks in concrete and others.

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#### Application instructions

Cracks must be cleaned thoroughly. Remove all contaminants, efflorescence, laitance etc. Prepare the surface by any appropriate mechanical means, either BLASTAC OR GRINDER. The compressive strength of the concrete substrate should be at least 25 MPa (3625 PSI) at 28 days

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#### Caution:

- Minimum concrete temperature: 10°C/50°F.
- Maximum concrete temperature: 30°C/86°F.
- Maximum relative humidity during application and curing: 85%.
- The concrete temperature must be 3°C (37.4°F) above the measured dew point.
- Substrate moisture content should be < 4% when coating is applied.

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- Do not apply to porous surfaces where moisture transmission may occur during application
- Avoid use on surfaces not at ground level.
- Protect from moisture, condensation and contact with water during the initial 24 hour cure period.
- The surface may discolor in areas exposed to regular ultraviolet light.

Table 2: APPLICATION PROPERTIES

	RESIN	HARDENER	MIX
Color	White	Amber	Beige
Specific Gravity (g/ml @25°C)	1.22	1.12	1.187
Viscosity (cps) @25°C	Paste	Paste	Paste
Cleaner	SC-1000	SC-1000	SC-1000
Mixing ratio (vol)	100	50	N.A
Pot life (Min) (100g)	N.A	N.A	20-25 Setting
Time (minutes)	N.A	N.A	90-120
Storage (months)	12	12	N.A

Table 3: PHYSICAL PROPERTIES

	Methods of Analysis Analysis	Results
Compressive Strength (psi)	ASTM D695	14000
Hardness Index (Shore D)	ASTM D2240	75-85
Tensile Strength (psi)	ASTM D638	6500
Elongation (%)	ASTM D638	3.00
Strength (psi) )	ASTM D4541	600
Water Absorption (%)	ASTM D570	0.05

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**Notice:** The facts given and recommendations made herein are intended as a guide only. They do not constitute a guarantee. It is the user's responsibility to determine the precise suitability and utility of the material. The potential risks and damages as well as the expenses related directly or indirectly to the use of the product must be assessed by the user.

**It is strongly recommended to consult the Material Safety Data Sheet before using the equipment.**

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**KEEP OUT OF REACH OF CHILDREN  
FOR INDUSTRIAL USE ONLY**

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The information given herein is mostly average, obtained under laboratory conditions. Therefore, variations may be observed on site due to local factors. It is the user's responsibility to determine the precise suitability and/or utility of the material. The potential risks and damages as well as expenses related directly or indirectly to the use of the product must be assessed by the user.