



# Fabriflex®



- Elastomeric Properties
- Internally Plasticized
- Acrylic Technology
- Various Colours and Textures
- Water Vapour Permeable

**Bulletin 15-C**  
**08/'03**

## DESCRIPTION AND USE

FABRIFLEX® is a specially formulated acrylic coating designed for use on concrete, stucco, and masonry surfaces. In addition to exhibiting the well known performance properties of acrylics (i.e. ultra-violet stability, excellent adhesion, durability, and good colour retention), FABRIFLEX® is based on internally plasticized elastic polymers. This imparted flexibility makes FABRIFLEX® ideal for coating cracked and crazed substrates or surfaces where movement tolerance is a critical factor in maintaining a water resistant barrier. FABRIFLEX® is available in a choice of finishes (smooth, fine, medium, coarse, and semi-gloss).

## ADVANTAGES

FABRIFLEX® exhibits excellent elongation and recovery characteristics. Furthermore, excellent ultra-violet and weathering stability ensure prolonged service life. Tough adhesion properties also ensure extended serviceability. In addition, FABRIFLEX® is a breathable coating permitting the transmission of water vapour from interior to exterior surfaces.

## SURFACE PREPARATION

It is imperative that care be taken to adequately prepare and condition all surfaces to be coated: they must be clean, free of stains, vegetative growth, efflorescence, or any other loose, unsound, or foreign materials which might inhibit proper adhesion. Vegetative growth must be removed by chemical means in order to prevent subsequent recurrence. All loose, peeling, and chalking materials must be removed using a minimum 2000 psi clean water pressure wash. All crack repairs and patching must be completed and materials fully cured prior to the application of FABRIFLEX®. The selection of a superior quality finish is no excuse for improper surface preparation.

There are four FABRIFLEX® primers specifically formulated to prime and condition surfaces to be sealed with FABRIFLEX®. All have elastomeric properties to ensure complete compatibility with the finish coat. The chart below outlines these products.

<b>FABRIFLEX® 100 PRIMER:</b>	<i>Very dense surfaces (concrete)</i>
<b>FABRIFLEX® 200 PRIMER:</b>	<i>Surfaces with some porosity (concrete &amp; stucco)</i>
<b>FABRIFLEX® 300 PRIMER:</b>	<i>Surfaces with high porosity (block)</i>
<b>FABRIFLEX® 400 PRIMER:</b>	<i>Silicone caulking compounds</i>

## APPLICATION

After the surface has been properly cleaned and conditioned, pre-treat all hairline cracks with a detail coat of FABRIFLEX®. Cracks from 1/16" - 1/8" may require double striping. Any cracks greater than 1/8 inch should be ground or cut out and caulked with a polyurethane sealant. All moving cracks and control joints must be properly caulked, and the caulking compound cured prior to the application of FABRIFLEX®.

FABRIFLEX® should be applied in a uniform manner by brush roller, or spray. On porous or heavily pinholed surfaces, two finish coats are recommended. It is imperative that scored block or any masonry with raked joints be thoroughly coated on all revealed faces. This may require pre-treatment of these areas prior to the application of the first roller or spray coat. In order to ensure that the surfaces treated with FABRIFLEX® are water resistant, there must be **NO PINHOLING IN THE COATING!** The use of a primer greatly reduces the likelihood of pinholing.

## LIMITATIONS

FABRIFLEX® should not be applied to surfaces which have been excessively wet or rained on for a minimum of four days prior to application. This period may be extended or shortened depending on ambient temperature and humidity conditions. FABRIFLEX® must not be applied to frozen or frost-filled surfaces. The product should not be applied when the temperature is 4°C (40°F) or expected to fall below 4°C (40°F) within 48 hours of application. Freshly laid masonry, newly poured concrete or new cementitious stucco must be cured for a minimum of 28 days.

## COVERAGE

Coverage will vary from 50 to 175 square feet per gallon depending on the porosity of the substrate and the texture chosen. Test panels are therefore imperative. The following are typical coverages which should be helpful for estimating the approximate amount of material required but are not a substitute for test panels. Select the substrate to be treated and then read across for the appropriate primer; coverages are then given for the primer and whichever finish coat is chosen (either smooth or textured). If two finish coats are required, coverages for second coats will be extended. **DO NOT DILUTE FABRIFLEX®.**

Substrate	FABRIFLEX® PRIMER	FABRIFLEX® (smooth)	FABRIFLEX® (textured)
Concrete (smooth)	#100 @ 275-300 sq.ft./gal.	150-175 sq.ft./gal.	85-100 sq.ft./gal.
Concrete (rough)	#200 @ 225-250 sq.ft./gal.	140-160 sq.ft./gal.	85-100 sq.ft./gal.
Stucco (smooth)	#200 @ 200-225 sq.ft./gal.	140-160 sq.ft./gal.	80- 95 sq.ft./gal.
Stucco (rough)	#200 @ 175-200 sq.ft./gal.	100-120 sq.ft./gal.	65- 80 sq.ft./gal.
Block (smooth)	#300 @ 90-100 sq.ft./gal.	120-140 sq.ft./gal.	70- 90 sq.ft./gal.
Block (split)	#300 @ 65- 75 sq.ft./gal.	80-110 sq.ft./gal.	50- 60 sq.ft./gal.
Block (scored)	#300 @ 60- 70 sq.ft./gal.	75-100 sq.ft./gal.	50- 55 sq.ft./gal.

## TECHNICAL DATA

FABRIFLEX® conforms to the following performance standards:

- A.S.T.M. D-822 (Accelerated Weathering — passes 2000 hrs.);
- A.S.T.M. D-2370 (Tensile Strength = 320 psi; Elongation = 280%);
- A.S.T.M. E-96 (Water Vapour Permeability @ 20 mils = 10.1 grams/sq.metre/24 hours);
- A.S.T.M. D-2697 (Volume Non-Volatile = 57% ± 2%)
- U.S. Federal Spec. TT-C-555B (wind-driven rain — no penetration);
- Percentage Recovery after 100% elongation = 98%;
- Alkaline Resistance (24 hour submersion in 10% solution NaOH = no effect);
- Low Temperature Flexibility (-25°C, c" mandrel — passes).

## GUARANTEE

FABRIKEM MANUFACTURING LTD. guarantees its products when applied in accordance with its printed instructions. Results of inadequate surface preparation, improper mixing, incorrect application, inadequate protection, and other factors beyond the manufacturer's control cannot be held to the manufacturer's responsibility. No responsibility can be accepted beyond the purchase price of the product.

Bulletin 15-C — 08/03

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