



## **#5531 ELASTOMERIC WATER-BASED PROTECTIVE COATING**

### **PRODUCT DESCRIPTION**

EPM-6 #5531 is an acrylic-based elastomeric formulation. The coating can be used without dilution (by brush or roller) or can be thinned with water for spray application. #5531 shows exceptionally good flexibility, resistance properties, and weatherability. The polymer is a self-cross linking acrylic. Because of the low temperature flexibility, the Elastomeric water-based formulation is particularly suited for use as a crack-bridging surfacer for walls and roofs.

### **ADVANTAGES**

- Abrasion resistance
- Low liquid water permeability
- Excellent cold temperature crack resistance
- Good crack-bridging ability
- Oil and solvent resistance
- Outstanding weatherability
- Low chalking rate
- Resistance to acid rain
- Excellent adhesion to a variety of substrates

### **APPLICATION**

The formulation is designed for direct application to common roofing or wall materials such as stone, brick, masonry, asphalt, shingles and urethane foam. When the substrate is metallic, care must be taken to ensure that the surface is “passified”. This usually entails a wash-coat application of a phosphate-based agent such as T.S.P. The best method of application for the #5531 elastomeric coating is to roller-apply the coating in two equal coats, applied in perpendicular directions (as this minimizes any chances of pinholes). The recommended spread rate is 14.9m<sup>2</sup> (160 Sq. Ft.) per 3.78L (resulting in a 5 MIL dry film).

**TWO COATS REQUIRED.** For Metal/Smooth surfaces the recommended spread rate is 29.7m<sup>2</sup> (320 Sq. Ft.) per 3.78 L (resulting in a 2.5 MIL dry film - TWO COATS REQUIRED.)

**DO NOT APPLY WHEN TEMPERATURE IS BELOW 10°C DURING CURING PERIOD OF 6-12 HOURS OR WHEN RAIN IS EMINENT WITHIN 12-24 HOURS.**

## PACKAGING

10 LITRE & 2X 3.78 L

## PROPERTIES

Chemistry .....	Self-x-linking acrylic copolymer
Appearance .....	Thick, paint-like dispersion
Solids Content .....	70 % +/- 1%(by wgt)
Viscosity .....	Average 6500 cps, thixotropic consistency
Water Dilutability .....	unlimited
Package Stability .....	> 1 Year
Specific Gravity.....	1.4 Kg/L

## USES

While variation in the performance is due to the methods of application, coat weights and types of substrate encountered the following is typical of the performance.

- Crack-bridging Membranes
- Washable wall coatings in food plants
- Paints on flexible substrates
- High adherence coatings on mineral substrates
- Barrier coatings on smoke stacks
- Roof coatings

## SPECIFICATIONS

While variation in the performance is due to the methods of application, coat weights and types of substrate encountered the following is typical of the performance:

Zero degree F mandrel bend .....	pass
% Elongation at 23°C .....	600+
% Elongation at -20°C .....	100
Apparent Tg .....	-22°C
Wet Peel Adhesion .....	Very High
% Water take-up (96 Hours) .....	9.4
Tensile strength (free film).....	> 200 psi
Adhesion strength (galvanized steel) .....	6.1 pli

- #5531 contains no volatiles other than water
- #5531 is not WHMIS or TDG regulated
- #5531 is supplied as a white coating
- #5531 is available in a limited range of colours

## **DISCLAIMER**

Due to the wide range of application variables beyond our control, GH INTERNATIONAL INC. makes no warranty on performance of this formulation. It is solely the responsibility of users to ensure that the coating is suitable in their specific applications. Data presented here is accurate to the best of our knowledge but is presented solely for information and should not be taken as specifications without users confirming said properties.

## **LIMITED WARRANTY**

We warrant our material to be of good quality and will replace material proved defective. This warranty is in lieu of all others expressed or implied and may not be extended by representatives, written sales information or drawings. While we recommend uses for our material based on tests believed reliable, we in no way guarantee particular methods of use, application or performance under special conditions.



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**TECHNICAL DATA #5531**

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