

DIAMOND PAINT MFG. CO. LTD.
TECHNICAL DATA
DIAMOND 850
ELASTOMERIC VERTICAL WALL COATING

GENERIC TYPE:

Styrene Acrylic

PRODUCT DESCRIPTION:

Diamond 850 Elastomeric vertical Wall coating is a heavy bodied coating for exterior and Interior use, which provides a Decorative Finish, and a functional protective coating.

RECOMMENDED USES:

For use on Concrete, Concrete Block, Cement Plaster, Stucco Precast, and Poured Concrete.

PRODUCT CHARACTERISTICS:

Diamond 850 Elastomeric wall coating is highly resistant to water or moisture penetration, and should provide a weather-resistant finish on walls. This product is a high build type coating, and should be applied in one or two coats for up to 60 mils. It has excellent recovery properties which allows expansion and contraction over a wide range of temperatures and still returns to it's original state.

OUTSTANDING FEATURES:

- Excellent efflorescence resistance.
- Can be applied by Spray, Roller, Brush or Sponge Float.
- Breathes.
- Colour fast in light Tints.

SURFACE PREPARATIONS:

Surfaces to which Diamond 850 is to be applied should be dry and free from Grease, Loose Sand, Efflorescence, Peeling Paint or any material that may affect adhesion.

TEST DATA

Initial (After 14 days room temperature cure)	
Percent elongation	70°F - 350% 32°F - 275%
Tensile strength	70%
°F - 275%	32°F - 325%
Resistance to ponding Water (GMS-24 hrs.)	0.3 GMS
Film flexibility	At - 15 °F wraps around one-half inch mandrel.
Resistance to wind driven rain (TT-P-555B)	0.05 pounds
Moisture vapor permeability	0.5 perms
Shore A hardness	29 to 30
Aluminum cup shrinkage	No pulling or cracking away from rim.
Accelerated weathering 1500 hrs. QUV	No effect on shades or film integrity.
Chemical resistance- 3 drops of chemical placed on panels for 24 hours.	Mineral Sprits- No Effect. Muratic Acid - Slight softening and staining. Recovers after rinsing.
Salt spray resistance (ASTM B-117-64)	Ammonia-No effect. 500 hours-No yellowing or other adverse effects.

Tensile strength and percent elongation after QUV Exposure 250 hours.

Percent elongation	70°F - 320%
Tensile Strength	70°F - 315 PSI

500 Hours	
Percent elongation	70°F - 280%
Tensile Strength	70°F - 340 PSI

N.B. These suggestions and data are based on information we believe to be reliable. They are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adapting them on a commercial scale. Suggestions for use of our products should not be understood as recommendations that may be used in violation of any patent.

COLOUR RANGE:

Light & pastel colours.

PACKAGE SIZE:

18.93 litre

For specific recommendations, contact:

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