DAPCO™ 1-100

Dapco™ 1-100 primer is a solution of polymeric materials that cures at room temperature, 75ºF (24ºC).

Dapco™ 1-100 is used to improve the bond strength between most silicone RTVs and different substrates. When properly applied and cured, the bond strength often exceeds the cohesive strength of the RTV.

Features and Benefits

- Visible color change to indicate full cure
- Improved bond strength of most RTV silicone systems up to 400ºF (204ºC)

CHARACTERISITICS

Table 1 | Physical Properties

Property	
Consistency	Liquid
Viscosity at 75ºF (24ºC)	10 cps (0.01 Pa·s)
Solids (weight)	12%
Density	7.0 lb/gal (0.84 kg/L)
Shelf Life	6 months at 75ºF (24ºC) from date of shipment

Table 2 | Product Availability

Property	
Color	Green[1]
Kit Size	2.0 oz 4.0 oz 8.0 oz Pint

[1] Color dries to dull pink, once cured.

PROCESSING

HANDLING

Mixing

Dapco™ 1-100 primer is supplied and ready to use. No mixing of the product is required.

Working Life

Dapco™ 1-100 primer hydrolyzes (cures) when exposed to the moisture in the air, therefore, it is recommended that the necessary amount of Dapco™ 1-100 is poured into aluminum or glass dish and the bottle resealed.

Note: Dapco™ 1-100 primer contains a flammable solvent. Keep away from open flame and excessive heat and use with adequate ventilation.

APPLICATION

Applying

The substrate must be free from contamination, i.e. dirt, oil, grease, etc. Clean the surface by wiping with a suitable solvent/cleaning agent and dry thoroughly. Apply Dapco™ 1-100 primer in a thin, uniform coating.

Curing

Allow Dapco™ 1-100 to dry for one hour or until a dull pink color is visible. Then apply RTV to primed surface within 90 minutes after the primer has cured. When circumstances prevent immediate application of the RTV, the surface must be cleaned thoroughly to remove the primer before repeating the process. Follow the RTV's individual cure recommendations.

HEALTH & SAFETY

Please refer to the product SDS for safe handling, personal protective equipment recommendations and disposal considerations.

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