



Technical Data Sheet

DOWSIL™ IE-7170 Emulsion

One-component elastomeric silicone emulsion

Features & Benefits

- One-component elastomeric silicone emulsion
- Tin catalyst is required for conventional products to cure and form elastomeric film. But organotin compound is not formulated in this product

Applications

- Waterborne coating

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test ¹	Property	Unit	Result
	Appearance		Milky white liquid
	Non volatile content	%	48
	Viscosity	mPa · s	70
	pH (25°C)		11
Cured film properties			
JIS K 6253	Hardness		8
JIS K 6251	Tensile strength	MPa (kgf/cm ²)	0.66 (6.7)
JIS K 6251	Elongation	%	660
	Specific gravity	1.06	

Cure condition: 50°C for 24 hrs

1. JIS: Japanese Industrial Standard

Description

DOWSIL™ IE-7170 Emulsion is a one-component elastomeric silicone emulsion.

How to Use

Elastomeric silicone film can be formed after vaporizing water at room temperature or heating condition.

**Handling
Precautions**

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

**Usable Life and
Storage**

One-year guarantee for unopened package under 0 to 35°C storage condition.

**Packaging
Information**

1 kg, 18 kg.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

**Health And
Environmental
Information**

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, consumer.dow.com or consult your local Dow representative.

consumer.dow.com

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