



## Technical Data Sheet

# DOWSIL™ GP-7070 Powdered Antifoam

### FEATURES & BENEFITS

- Free-flowing white powder
- Easy to disperse in water
- Easy to mix in powdered composition
- Can be added at levels ranging from 0.1 to 0.5 weight %
- Prevents air entrainment in mortars
- Limited impact on mechanical properties of set mortars
- Limited impact on dry mix ease of use

### COMPOSITION

- Silicone-based antifoam formulated as a powdered additive

Free-flowing powder designed as an antifoam additive for cement-based formulations.

### APPLICATIONS

- Added as ingredients of cement-based compositions to control air entrainment during mixing step.
- Used to control air entrainment in cement based formulations containing superplasticizers.

### TYPICAL PROPERTIES

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

Test <sup>1</sup>	Property	Unit	Result
CTM 0176B	Appearance		White, free-flowing powder
	Composition		Silicone-based antifoam
CTM 0957	Particle size distribution < 500 micron	%	min 90
CTM 0957	Mean particle size	µm	300
CTM 0565B	Bulk density	g/L	600

1. CTMs (Corporate Test Methods) correspond to standard ASTM tests in most instances. Copies of CTMs are available upon request.

### DESCRIPTION

DOWSIL™ GP-7070 Powdered Antifoam was developed to offer the performance of a liquid silicon-based antifoam in dry delivery systems.

DOWSIL GP-7070 Powdered Antifoam is a formulation containing a finely dispersed silicon-based active. The powdered composition provides good storage stability and release of the active ingredient upon addition of water. This product can find uses in many application areas where the control of air entrainment during the mixing process is required.

DOWSIL GP-7070 Powdered Antifoam easily disperses into water.

### HOW TO USE

DOWSIL GP-7070 Powdered Antifoam is a dry powder. This product is intended to be added to the dry ingredients of the cement based composition. Determination of optimum addition levels should be evaluated in the laboratory.

Most applications will typically require between 0.1 and 0.5 weight % DOWSIL GP-7070 Powdered Antifoam in the dry mix. The water level of the final formulation should be optimized to obtain the desired consistency.

Cement-based mixtures formulated using DOWSIL GP-7070 Powdered Antifoam can be mixed and applied using standard industry equipment. Heating should be avoided during or after mixing DOWSIL GP-7070 Powdered Antifoam in dry mix formulations

## **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 [WWW.CONSUMER.DOW.COM](http://WWW.CONSUMER.DOW.COM), OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.**

## **DISPOSAL**

DOWSIL GP-7070 Powdered Antifoam can be disposed in accordance with local regulations.

## **USABLE LIFE AND STORAGE**

DOWSIL GP-7070 Powdered Antifoam should be stored under dry conditions out of direct sunlight.

## **PACKAGING INFORMATION**

DOWSIL GP-7070 Powdered Antifoam is supplied in 10 kg (22.1 lb) bags, 1000 kg (2204.6 lb) big bags and sample bottles.

## **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, [www.consumer.dow.com](http://www.consumer.dow.com) or consult your local Dow representative.

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