

REMITITE CO.,LTD
Technical Data Sheets (TDS)

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Last revised date : 2019/01/03

Fire-Retardant Silicone Sealant : Si-701

1. Chemical Product and Company Information

Product Name:	REMITITE Si-701
General Features:	Fire-Retardant Silicone Sealant
Hazard Type:	Irritable
Use of Product:	Fire-Retardant Silicone Sealant
Manufacturer and Supplier Information:	REMITITE CO.,LTD
Address :	109-30 Yongdoek-ro, 23 Beon-gil, Hallim-myeon, Gimhae-si, Gyeongnam-do 50853 Korea
Tel. No. :	+82-70-5075-4074
Emergency Contact No. :	+82-55-336-9273
E-mail :	kylee@remitite.com
Division :	Technical Marketing Team
In Charge :	Technical Marketing Team Manager

2. Composition of Ingredients

Name of Chemical Substance	CAS No.	Content %	Hazard and Caution
CARBONIC ACID, CALCIUM SALT	471-34-1	20	Not hazardous
Polydimethylsiloxane	63148-62-9	20	Not hazardous
Dimethyl Polysiloxane	701-67-8	20	Not hazardous
N-(3-TRIMETHOXYSILYL)PROPYL-1	1760-24-3	2	Not hazardous
Business Secrecy		38	Not hazardous

3. Product Description

Color Index :	GREY, IVORY, BLACK, CLEAR, ETC
Chemical Type :	Silicone Sealant
Standard Packaging :	Cartridge 310 ml
Storage Time :	12 Months
Storage Temperature :	Room Temperature

4. Physical Data

Appearance :	Silicone
Specific Gravity :	1.05 g/cm ³ [1.05 g/ml]
pH :	Neutral
Viscosity :	Nonslump Paste
Asbestos :	None

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5. Properties - I

Service temperature :	-65°C ~ 250°C	Tensile Strength :	21.4 kgf/cm ² [2.1 N/mm ²]
Tensile Failure :	410 %	Adhesive Strength :	588 N [20mm]
Shrinkage :	3 %	Adhesive Strength :	755 N [25mm]
Hardness :	35 Shore A	Adhesive Strength :	1,372 N [40mm]
U.V Test :	Grade 5	Adhesive Strength :	1,488 N [45mm]
Solid :	98 %	Adhesive Strength :	1,646 N [50mm]
Elasticity :	0.8 N/mm ²		
Surface Drying Time :	2 ~ 3 Hours		
Full Drying Time :	18 Hours [5MM]		
Full Drying Time :	27 Hours [10MM]		

6. Properties - II

Halogen Free & smokeless - IMO MSC 61(67) / IMO FTPC Part 2 (Smoke and toxicity test)

Satisfy IMO MSC 61(67) / IMO FTP CODE Annex1 Part 5 Fire test for surface flammability

Sea Water & water resistance : ASTM C1247, C1635

Oil resistance : ASTM D5964

Fungi Resistance : ASTM G21

Non-conductiviness

The data as the representative value based on a science and technology knowledge as of the present writing date is not for the product specification. REMITITE CO.,LTD shall not take any technical and legal liabilities for it. The data are written for the user's industrial hygiene and handling safety, and will be generally applied.

HEAD-OFFICE

109-30 Yongdoek-ro, 23 Beon-gil, Hallim-myeon,
Gimhae-si, Gyeongnam-do 50853 Korea

Tel : +82-55-336-9273~4

FAX : +82-55-336-9275

E-mail : ask@remitite.com

<http://www.remitite.com>

AMERICA OFFICE

26818 Lindenwood Creek Lane, Katy City,
X77494 USA

SINGAPORE OFFICE

12 Hoy Fatt Road #06-15

Singapore 159506