

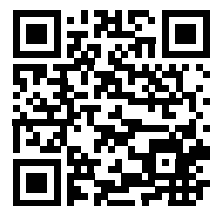
# Sx-8000

**NON-STAIN WEATHER SEAL  
NEUTRAL CURE SILICONE SEALANT  
±50% MOVEMENT CAPABILITY**



**Sealex Sx-8000** is a non-stain neutral cure silicone sealant tested to ASTM C1248 - 08 (2012) Standard Test Method for Staining of Porous Substrate by Joint Sealants. Being a high performance all weather sealant Sx-8000 is highly flexible with movement capability of  $\pm 50\%$  according to ASTM C719:2005 and is suitable for both outdoor and indoor application with high resistance to UV radiation, rain, ozone and extreme temperature throughout its service life.

- Specified for Non-Stain all weather joints tested to ASTM C1248 - 08 (2012)
- Ideal for porous material and steel and aluminum panels that require Non-Stain specification
- Movement Capability  $\pm 50\%$  tested to ASTM C719:2005
- Highly versatile and adheres to most construction substrates
- Weatherproof and permanently flexible and high resistance to UV and other environmental elements
- One part easy to use that requires no priming in almost all construction materials
- Neutral cure suitable for all steel applications
- High service temperature  $150^{\circ}\text{C}$
- Conforms to Green Standard for Low VOC, LEED v4 EQc2
- Customized colour is available



**SCAN QR CODE  
FOR INFORMATION**



PSB Singapore

## GREEN STANDARDS

\* LEED 2009 for New Construction and Major Renovations:  
Low Emitting Materials (Section 4.1), SCAQMD rule 1168 (2005)

\* ASTM D 2369 EPA Method 24 VOC content 46 g/l or 3.6%

## COMPANY PROFILE

Sealex Chemical Co., Ltd. is a sealant and adhesive manufacturer subsidiary of the Inno-Cons Group of companies. Inno-Cons is a major supplier of construction material throughout the Kingdom of Thailand and South East Asia since 1992, focusing on construction products for metal building, pre-fabricated building, aluminum & glass, and precast concrete markets.

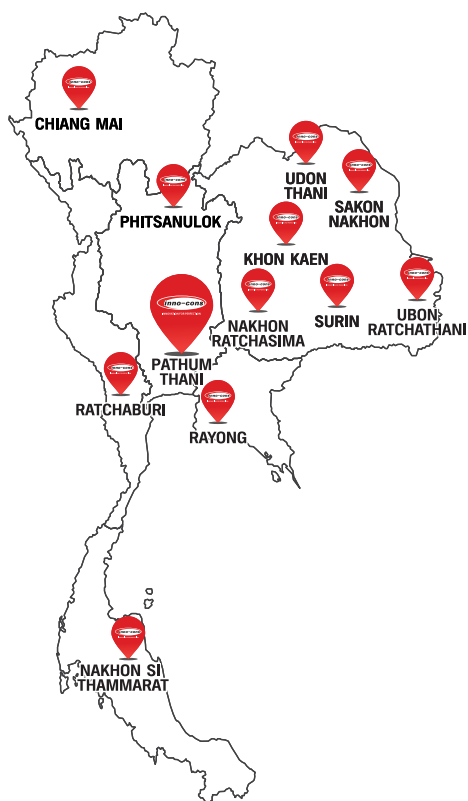
## Products offered by Sealex include :

- Hybrid Sealant offering less-stain, less dirt pick-up, anti-fungus, Low VOC, paintable sealant for perimeter, wall joints, and all weather applications.
- Hybrid Sealant Technology offers non-solvent, Low VOC adhesives for flooring, automotive and no-nail applications.
- High performance Silicone and Acrylic Sealants.



## YOUR SATISFACTION, OUR PRIORITY

- **12 Distribution Centers** Covering the entire Kingdom of Thailand
- **Sales Team** Knowledgeable and professionally trained sales team.
- **Customer Relations Team** Highly experienced team for handling all inquiries and after sales services.
- **Delivery Team** Strong logistic team to fulfill all nationwide deliveries on time.
- **Technical service** Expert technical teams ready to serve and assist all technical matters.
- **Quality Management System** QMS Standards of ISO 9001:2015 for consistently providing quality products and services to customers and regulatory requirements.
- **Export Markets** Partnered and exported to Asia Pacific countries



• Innovation of product



• Product training for customers



• Customer Care Service that our competitors and business associates speak about.



• On site Technical Service



# TECHNICAL SUBMITTAL

## Features

Non-Stain tested to ASTM C1248-08 (2012)	Improves long term aesthetics to porous material like marble, granite and limestones. Also reduces long-term residue rundown on metal panels and glass.
Excellent Weatherability	High resistance to all weather particularly to UV and other elements, permanently flexibility and will not crack throughout its service life
Extreme Service Temperatures	Versatile service temperature performance from -50°C to 150°C
High Movement Capability $\pm 50\%$ tested to ASTM C719:2005	Highly flexibility suitable for facade application that requires high movement capability
Excellent Unprimed Adhesion to most construction material	Primerless application to most construction material including metal sheets, galvanized steel, aluminum, glass, concrete and masonry

## Applications

- Masonry facade joints like marble, limestone and granite
- Metal panel facade joints, sandwich panels and aluminum composite panels
- Metal roofing particularly in extreme temperatures
- Expansion joints
- Perimeter joints like window and door frames

## Compliance and Approvals

- ASTM C1248 : 2012 Standard test method for staining of porous substrate by joint sealants
- ASTM C920, Type S, Grade Ns, Class 50 - tested by TUV SUD
- LEED v4 EQc2, SCAQMD Rule 1168 for low VOC - tested by Eurofins of Denmark

## Technical Specification

Uncured Sealant - Tested at at 25°C and 50% RH	
TACK-FREE TIME	20 min. or less.
FLOW, SAG OR SLUMP	Non-sag
WORKING TIME (TOOLING)	15 min. (Before sealant skin forms.)
CURING TIME (3 mm. BEAD)	24 hours
EXTRUSION RATE	33.5 ml / min
Cured Sealant - After 21 days at 25°C and 50% RH	
DUROMETER, SHORE A	39 points
TENSILE STRENGTH (ASTM D412)	1.8 Mpa
SERVICE TEMPERATURE	-50°C to +150°C
MOVEMENT CAPABILITY	$\pm 50\%$
PEEL STRENGTH (ASTM C794)	125.7 N/25 mm. (Aluminium)
STAIN TEST (ASTM C1248)	No surface stain (Limestone Substrate)

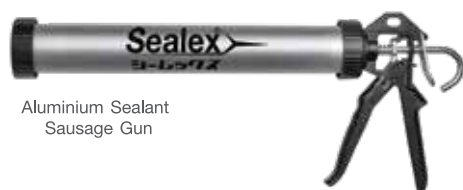
## Limitation

Sealex Sx-8000 is not recommended for use in continuous water immersion nor below ground or other joints where excessive abrasion and physical abuse are encountered.

It should not be applied to :

- Completely closed area where sealant is not exposed to atmospheric moisture.
- Any uncured sealant apart from Sealex Sx-8000

## Size of Packaging & Accessory

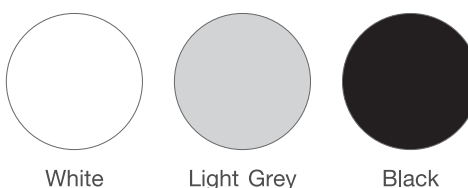


Aluminium Sealant Sausage Gun



600 ml. (Sausage)

## Standard Color



## Customize Colors Available



## Compliance and Approvals

- ASTM C920, Type S, Grade NS, Class 50 – tested by TUV SUD

### TEST RESULTS:

TEST	'Sealex Sx-8000'	ASTM C920 : 2008 Standard Specification For Elastomeric Joint Sealants
1. Staining And Colour Change	No Staining and no colour change	The sealant shall not cause any visible staining on the top surface of a white cement mortar base
2. Extrudability	20.= ml/min	Type S (single component), grade NS (non-sag or gunnable sealant) shall have an extrusion rate time of not <10 ml/min
3. Rheological (Flow) Properties	Vertical displacement: 0 mm sag Horizontal displacement: No deformation	Grade NS (non-sag) or gunnable sealant shall have flow characteristics such that it does not sag > 4.8 mm in vertical displacement and shall show no deformation in horizontal displacement (refers to Types II and IV sealants)
4. Indentation Hardness	test piece 1, average : 38.7 test piece 2, average : 40.2 average of test pieces : 39.5	T (traffic) sealant shall have a hardness reading of not <25 or >50 after being properly cured NT (non-traffic) sealant shall have a hardness reading of not <15 or >50 after being properly cured
5. Tack-Free Time	No transfer of test specimens to the polyethylene film	There shall be no transfer of the sealant to the polyethylene film when tested at 72 hours
6. Adhesion & Cohesion Under Cyclic Movement Class 25 Class 50	No bond failure No bond failure	The total loss in bond and cohesion areas among the three specimens tested for each surface shall not be >9 cm <sup>2</sup> with mortar, aluminium or glass substrates
7. Effects Of Heat Ageing On Weight Loss, Cracking And Chalking, average	1.0% No cracking and chalking	The sealant shall not lose >7% of its original weight or show any cracking and chalking
8. Effects Of Accelerated Weathering	No cracks after UV exposure and bend test	The sealant shall show no cracks after the specified UV exposure and shall show no cracks after exposure at cold temperature and the bend test
9. Adhesion-In-Peel, average	85.6 N (19.3 lbf) cohesive failure within the sealant and no adhesive bond loss between sealant and substrate for each test piece	The peel strength for each individual test shall not be <22.2 N (5 lbf) and the sealant shall show no >25% adhesive bond loss for each individual test
10. Material Identification/ Verification By FTIR	Silicone-based material (refer Figure1)	-

### TEST RESULTS:

- ASTM D412 Result (Tension for elastomeric Sealant)

TEST	Unit	'Sealex Sx-8000'
Tensile Strength	MPa	0.3
Tensile Stress at 25% Elongation	MPa	0.4
Tensile Stress at 50% Elongation	MPa	0.6
Tensile Stress at 100% Elongation	MPa	1.8
Elongation At Break	%	546

### LIMITED WARRANTY

The information contained in this document offered in good faith is believed to be accurate. However, as it is beyond our control on the conditions and methods of use of our products by our clients the information contained in this document should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end application.

Sealex warrants that all Sealex products meet the specifications herewith at the time of shipment. In the event of breach of such warranty Sealex is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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www.sealexchem.com

Distributed by

**MF BUILDING & CONSTRUCTION PRODUCTS PTE. LTD.**

39 Woodlands Close, #04-42 Mega @ Woodlands,  
Singapore 737856

Tel : (65) 6877 0408 Fax : (65) 6877 0456

Email : sales@mfbcp.com.sg

www.mfbcp.com.sg



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