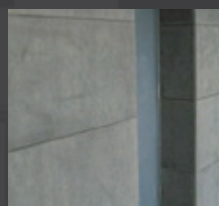
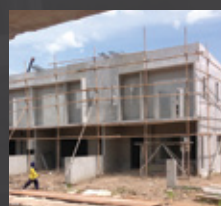
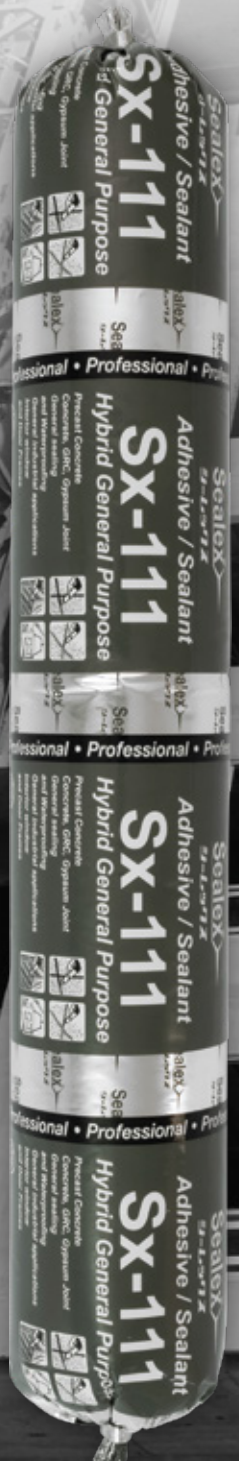


Sx-111

GENERAL PURPOSE SEALANT / ADHESIVE



Sealex Sx-111 General Purpose Hybrid sealant is a one-part elastomeric polymer that combines the strengths and advantages of silicone and polyurethane sealants resulting in performances exceeding the two sealants.

Sealex Sx-111 is a high performance highly elastic general purpose gap filler and joint sealant suitable for concrete GRC and gypsum wall joints, decorative, kitchen, furniture. . . etc

Sealex Sx-111 will remain elastic throughout its life and will not crack, swell, bubble nor shrink and is environmentally friendly exceeding LEED low VOC requirement and deemed a green product. Hybrid technology also result in Sealex Sx-111 to have excellent resistance to weathering including ozone freeze-thaw conditions and airborne chemicals.



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 9.7/l or 1 %



SCAN QR CODE
FOR INFORMATION

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.

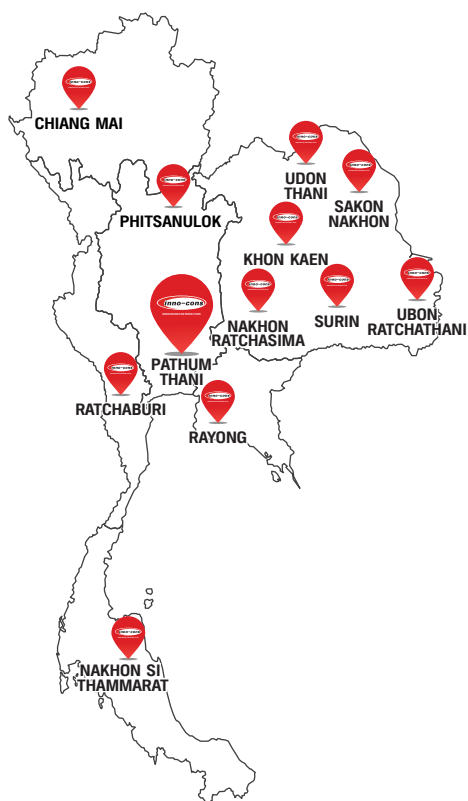
Products offered by Sealex include :

- 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



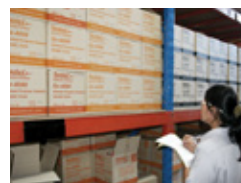
• Innovation of product



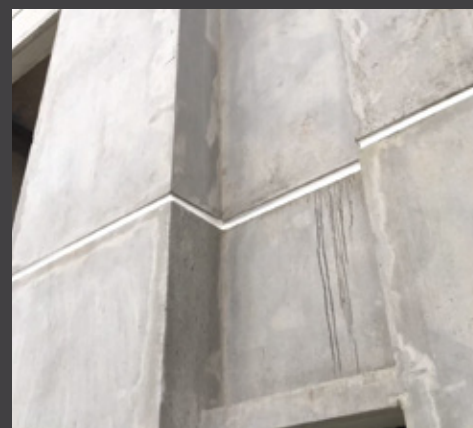
• Product training for customers



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



• On site Technical Service



Sealex Sx-111 is ready to use and requires no mixing or additives. Higher humidity accelerates cure. Tooling, if necessary, should be done before skinning takes place.

Features

- Elastomeric Hybrid Adhesive/Sealant
- Non-bleeding, non-oil sealant
- Hybrid technology does not contain isocyanates nor solvents
- Fast Cure
- Tested to ASTM C920 : 2008 requirements
- Green product LEED 2009 EQ c4.1 VOC compliant

Applications

Sealex Sx-111 is an excellent sealant and adhesive for many Commercial, Industrial and Residential construction applications where a long term, permanently flexible bond or seal is required. Such applications include:

- Concrete, GRC, gypsum joint
- Metal building construction
- Vents, ducts, pipes
- General sealing and waterproofing
- Metal and aluminum panels
- General industrial applications
- Siding & Trim
- Interior window and door frame

USAGE



Size of Packaging & Accessory



Additional Benefits

- Does not cause oil stains in panels and porous material
- Sealant joints does not swell nor shrink
- Increase productivity cures 50% faster than PU
- Insensitive to water and moistures versatile to work with
- Paintable

Technical Specification

Curing Speed	2 - 3 mm. depth per day
Tack Free Time	15 - 25 min
Specific Gravity	1.30 - 1.50
Elongation	>500%
Working Temperature	5°C - 45°C
Tensile Strength	1.2 MPa
Movement Capability	±25%
Hardness	18 - 30 shore A
Odor	Odorless
Visosity 1 rpm	2000 - 2800 Pa.s

Color

Standard colors are white, standard white, light grey Other colors available upon request.

STORAGE















Sealex Sx-111 when stored in original, unopened sausage below 32°C, has a shelf life of 12 months from date of manufacture.

SURFACE PREPARATION

All surfaces should be clean and dry. If necessary bonding surfaces can be solvent wiped with naphtha, ketones or chlorinated solvents or mineral spirits. Allow surface to dry thoroughly before applying sealant. Do not solvent wipe with alcohols or oil-containing solvents such as Varsol. Priming for Sealex Sx-111 is not normally required for applications to non-porous surfaces.

EXCELLENT ADHESION

With excellent adhesion properties Sx-111 is the most versatile adhesive sealant available compared even to PU and other solvent

 Aluminum Sx-111 PU 5 4	 Stainless Steel Sx-111 PU 5 4	 PVC Steel Sx-111 PU 5 4	 PlyWood Sx-111 PU 5 5	 MDF Sx-111 PU 5 5	 Particle Board Sx-111 PU 5 5	 Concrete Sx-111 PU 5 4
 Slate Sx-111 PU 5 5	 ALC Sx-111 PU 5 5	 Melanin Sx-111 PU 5 4	 Polystyrene Sx-111 PU 5 2	 Polycarbonate Sx-111 PU 5 3	 FRP Sx-111 PU 5 3	 Enamel Sx-111 PU 5 3

SX-111 Test report - ASTM C920:2008 by TUV/PSB

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	> 10 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 Type II and IV sealant)
4. Indentation Hardness test piece 1, average test piece 2, average	19 19	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 hr.
6. Adhesion & Cohesion Under Cyclic Movement, Class 25	No bond failure	The total loss in bond and cohesion areas among the three specimens tested for each surface shall not be >9 cm ² with mortar substrates
7. Effect Of Heat Ageing On Weight Loss, Cracking And Chalking, average	0.8% No cracking and chalking	The sealant shall not lose >7% of its original weight or show any cracking and chalking
8. Effect Of Heat 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	177.2 N (39.9 lbf) cohesive failure within sealant and no adhesion 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 sealants shall show no >25% adhesive bond loss for each individual test
10. Material Identification / Verification By FTIR	MS polymer-based material (refer to Figure1)	

SX-111 Analytic Result by Eurofins of Denmark

Solid content, % mass	99.3
Density g/ml	1.65
Water content, % mass	0**
Exempt compounds, % mass	0***
VOC less water less exempt compounds, g/l	12
VOC limit g/l	70*

* VOC limit for "Multi-purpose Construction Adhesives"

** Given by the client

*** No information about exempt compounds. Set to zero.



www.sealexchem.com



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