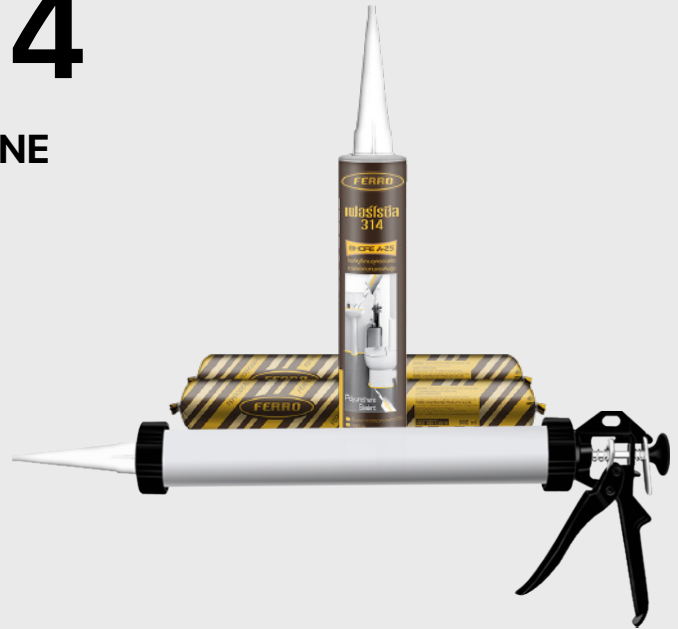




Ferroseal 314

SILANE TERMINATED POLYURETHANE SEALANT



Ferroseal 314 is a polyurethane sealant one component, silane terminated polyurethane sealant type. Which is a new innovation to solve the shortcomings of polyurethane sealant general with no isocyanate toxin can be storage in the tube for a long time and the surface is soft and smooth, easy to scraper, no yellow stains. When dry has good elasticity and recovery, resistant to extreme weather conditions and ultraviolet rays. Suitable for sealing joints interior and exterior buildings. for waterproofing and protection cracking due to the expansion of the material.

Advantages

- Isocyanate and solvent free.
- Odorless.
- Excellent weather & UV resistance.
- Non gassing bubbling or foaming.
- Stain-Free (Non-Migration).
- Excellent paintability.

Area of use

- Precast concrete joints and lightweight wall joints.
- Interior the water tank joints.
- Cold room wall joints.
- Grouting work around wood and aluminum frames.
- Grooving work plaster walls.
- Aluzinc sheet joints.
- Precast concrete joints such as stands, stadiums.
- Fiber cement sheet joints.

Standards and compliances

Ferroseal 314 is manufactured under standard meets to ASTM C 661, JIS A 5758

Physical properties

Properties	Value
General Characteristics	Viscous liquid
Colour	White, light gray
Specific gravity, kg./litre (Approx.)	1.5 kg./litres
Temperature during installation, °C (Approx.)	5 - 35 °C
Temperature activation, °C (Approx.)	-40 - 80 °C

Technical properties

Properties	Value	Standard
Vulcanization, hour (Approx.)	24 hours/1 mm.	-
Tack-Free time (23 + 2 °C, 50 + 5%RH), minute (Approx)	75 minutes	ASTM C 661, JIS A5758
Durometer hardness, shore A (Approx.)	25	ASTM C 661, JIS A5758
Movement, % (Approx.)	25% of the groove width	-
Elongation, % (Approx.)	~ 580%	-
Heat-Resistant up to 70 °C at 21 days (Approx.)	Not cracks	-

Method statement

Ferroseal 314

- The joint must be dry and free from dust, oil stains and grease.
- Mortar grooves or porous materials the edge should be grooves trimmed with a concrete cutter.
- Use blower to remove all dust.
- Porous mortar grooves. Should be apply with polyurethane sealant joint primer (Ferroseal 314/P) to add strength to the grooves surface.
- Firmly press backer rod (Ferrocil 316) into the depth required.
- Protect both side of joint with paper tape.
- Sealing polyurethane sealant (Ferroseal 314) with sausage caulking gun in order to decorate polyurethane sealant surface while still wet, use soapy water to smooth and make small curve by finger.

Limitations/Cautions

- Non-Absorbent surfaces such as steel, aluminum. Should be wiped with a solvent before sealing Ferroseal 314.
- Should be not install in temperatures below 5 °C.
- Do not use as a chemical resistance floor joint in food factory.
- Should be not use in direct contact with acid and alkali.

Technical support

Customers can contact the sales department of the company at sale@ferroproduct.co.th to inquire about product usage methods. Furthermore they can also request information or organize the following activities :

1. Request for the latest updated data sheet.
2. Request for the sale conditions document and the product price list.
3. Schedule a technical staff visit to demonstrate the products at the customer's job site by filling out the "Demonstration request form" prior to the product purchase.
4. Schedule a technical staff visit to provide product usage training to the customer's workers at the job site by filling out the "Worker training request form".
5. Schedule training for the customer's foreman at the company's training center (Ferro training center) by filling out the (Foreman training request form).

Coverage

Coverage for groove 10×10 mm., 1 sausage package 600 ml., length sealing 6 m.

Tools : Must be use with a special size sausage caulking gun.

Coverage for groove 10×10 mm., 1 catridge package 310 ml., length sealing 3 m.

Tools : Use general silicone gun.

Package

310 ml./catridge.

600 ml./sausage (20 sausages/carton).

Cleaning tools

Should be wash mixing tools with water immediately before the Ferroseal 314 dry.

Dry cases should be extracted with mechanical force.

Storage

- 1 year in unopened package.
- Keep in dry shaded area, temperature 23 °C + 2%, Humidity 50 + 5%RH (Conform to ISO 554)



Health and safety instructions

- May cause health effect :
- Eye : May cause eye irritation.
- Skin : May cause skin irritation.
- Ingestion : May cause vomiting or nausea if swallowed.
- Inhalation : No serious effect.
- Inhalation : Move to fresh air, oxygen support if necessary. In case of breathing difficulty is occurred continuously, should taken care by medical treatment.
- Eye : Flush with clean water at least 15 minute. if irritation still exist, see medical attention.
- Skin : Clean the irritation area with mild soap and water, if burning is still exist, see physician immediately.
- Ingestion : Do not induce vomiting. call physician immediately.



Disposal

Ferroseal 314 is composed of polyurethane disposal do not put waste into public drainage, It is recommended to leave the cement dry with sunlight.

Transportation and shipping data

THAI DOT : Not regulated. IMO : Not regulated.
USA DOT : Not regulated. IATA : Not regulated.
RID/ADR : Not regulated.



Size

- 314/310 Gray 310 ml./catridge
Code FG-3IC-8858915231420
- 314/310 White 310 ml./catridge
Code FG-4IC-8858915231437
- 314/600 Gray
600 ml./sausage (20 sausages/carton)
Code FG-3IC-8858915232038
- 314/600 White
600 ml./sausage (20 sausages/carton)
Code FG-OE-0039
- PU Sealant sausage caulking
gun type (Gun 600 ml.)
Code FG-OE-0039-02

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Product warranty: The company is pleased to replace any product that is clearly proven to be defective due to manufacturing processes with a new products of equal value to the portion that is defective. Refunds are not available. Customers must be notify us of replacement within 7 days from the order date. Additionally customers can't claim damages resulting from direct or indirect using of the materials, as well as delays in delivery by the company. Furthermore replacements can't be made for errors in using that arise from customers negligence without consulting the sales staff or technical documentation provided by the company. The company reserves the right to amend manufacturing formulas or new packaging designs without prior notice. Therefore customers must be request the data sheet and sale conditions from the company before actual using and before each purchase. By doing so the company assumes that customers have understood and agreed to the company's sale conditions before using. (Company products are only allowed for using by individuals who have completed training provided by the company). *For further data please refer to the sale conditions from the company's sale department at sale@ferroproduct.co.th.



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