

# SHINEI-KOGYO CO.,LTD

~ INTRODUCTION ~

# COMPANY OVERVIEW

Shinei-Kogyo Co., LTD was established in 1971 and currently located at 2-5-6 Nishishiriikecho, Nagataku, Kobe City ,Hyogo Prefecture, Japan.

Our company takes pride in manufacturing and distribution of Butyl rubber products used in major constructions and roads for 50 years and counting.

## Main Products

- Unvulcanized waterproof sheets and tapes
- Unvulcanized adhesive sheets and tapes
- Sealants
- Adhesives



# UNIQUE CHARACTERISTICS OF BUTYL RUBBER

## Shock-absorbent

- Small repulsion and absorbs shock quickly. It is widely used to isolate and prevent vibration in the following industries: automobile, audio equipment, home appliance, architectural engineering.

## Electrical insulation

- Lessens dielectric loss thus suppresses deterioration and reduces power transmission cost. End-product would be insulating tapes and wire equipment.

## Water resistant

- Excellent liquid impermeability due to its elasticity and flexibility. It can be bonded to any form of molding and is widely used in adhesives for artificial grass, waterproof sheets, sealing and caulking for constructions.

## Weatherability

- Even under direct sunlight and harsh ozone, it can hold out for a long time due to its excellent aging resistance. It is widely used in waterproofing materials for construction, sheets for industrial waste treatment for ponds and gaskets.

## Chemical resistance

- Has high resistance to Alkalinity and Acids. It is widely used in rubber plug/cover for Medical products, hoses, various linings, and rubber gloves.

## Heat resistance

- Withstands heat and wide range of temperatures thus cracking and hardening does not occur but rather a tendency to soften. It is widely used in condenser packing and high pressure steam hose.

## Airtightness

- Has the lowest gas permeability among synthetic rubbers. Widely used in inner tube of tires.

## WHAT IS UNVULCANIZED RUBBER?

In general, the rubber is well-known for its ability to return to its original shape when stretched or compressed

This is because when the molecules inside the rubber bond crosslinks.

On the contrary, rubber crosslinking does not occur in unvulcanized curing process.

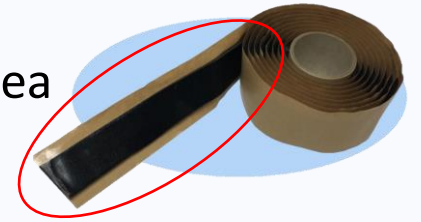
## ADVANTAGES OF UNVULCANIZED RUBBER

1. It has stress relaxation property and adapts easily to complex substrates
2. It has high water tightness due to homogeneous and integrated joints
3. It has strong adhesion to concrete framework
4. It has chemical reaction adhesion- this happens when a fresh concrete hardens, the rubber reacts and forms and adheres with it.

## OUR FEATURES / METHOD

### **1. We use an Extruder machines instead of Calendar rollers due to its many advantages:**

- a) Ability to produce high adhesive and low viscosity products
- b) Ability to produce thick sheets and tapes
- c) Ability to do dry edging process/technique (this process creates an adhesive-free area on both ends of the tape) `see image on the right`
- d) Ability to include adhesives on wide variety of standard base materials.



### **2. Our 50 years of expertise in Reclaim Butyl Rubber compound solidified our high credibility and reliability in the Rubber Industry**

- a) We produce various kinds of rubber compounds that can be adjusted to our customers` needs and budget

### **3. We are a Small Enterprise which gives us the advantages of:**

- a) We accept few to bulk quantity orders
- b) High quality products and quick response to all kinds of queries `product samples, delivery date and other technical information`

# PRODUCT LIST

## Standard sealing materials



### Size specification

Thickness : 1~10mm  
Width : 5mm~50mm  
Length : 5M~

## Custom sealants



### Packaging

- Tubes
- Cartridges
- 12L & 18L wide open cans

## Adhesive tapes and sheets



### Size specification

Thickness : 0.5~2mm  
Width : 50mm~1,100mm  
Length : 5M~

\*Can be combined  
with various base  
materials and  
vulcanized rubber.

We happily welcome all kinds of product sample requests. Please feel free to contact us regarding any requests or queries. Our contact details:

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※ We can also suggest appropriate sizes and types of rubber according to application