



**KONY  
BOND®**

# Bond Business KONISHI Innovation

## “Technological Development Skills” that Binds to Society by Reifying Needs

The word “need” can be restated through the human heart as “thought”. Both children and adults, men and women, past, present, and future. Reifying thought that everyone continues to embrace is the task entrusted to Konishi, and is an irreplaceable joy.

Our thoughts overflow unceasingly from the heart, and have expanded into living and homes, fabrication, and social engineering. What new needs will arise next, I wonder? What enjoyable needs will we meet? Konishi knows that the role of adhesives that “bind materials together” is the role that binds people’s hearts and society, and people’s hearts and the future. This is tied to the inimitable and unique technological development skills that are realized in our products.

### Konishi’s BOND Is Active in Various

**1** Consumer Fields  
→ P5



At home

“Binding” various objects in life

General household adhesives  
Repair materials and tapes

**2** Housing-Related Fields  
→ P7



For interior construction

Achieving all “binding” in both interior and exterior construction

Interior construction adhesives  
General housing sealants  
Construction tapes

### “Binding” Scenarios

**3** Industrial Materials Fields  
→ P9



In factories

Responding to “binding” within the production line

Industrial adhesives and tapes  
Industrial mold-release agents

**4** Civil Engineering and Construction Fields  
→ P11



In buildings

A full range of “binding” products for various gaps

Building construction sealants, construction and civil engineering adhesives, and all construction methods

In social infrastructure

Creating new “binding” using cutting-edge construction methods

### Clean materials



In office buildings, stores, and schools

“Binding” to pleasant spaces using clean environmental engineering

Floor polishes, ungluing preparations, and cleaning devices

# 1

## Binding the “Own Thoughts” of Users Consumer Fields



## KONISHI Innovation 1

### BOND ULTRA-TAYOTO™ S·U Carefully Meets Users’ Needs

“I want to glue various different things together”; “I don’t know which adhesive to choose”. Calls from sales supervisors to research supervisors represented the thoughts of people using adhesives in their everyday lives. To respond to these thoughts, we developed a multi-purpose adhesive that used silylated urethane, which is a silicone/urethane hybrid, as its basic ingredient. Both indoors and outdoors, it not only binds a broad range of materials from metals and glass to vinyl chloride, but also is a highly-safe, non-solvent product that does not include any harmful substances such as formaldehyde. Further, BOND ULTRA-TAYOTO™ S·U is a unique Konishi product that accurately crystallizes the various needs, such as reducing the speed of drying time on the adhesive surface, and the color remaining inconspicuously transparent even after setting. In addition, it has firmly increased in sales, and currently has grown into a mainstay product in the consumer field.

Recently, cries have reached us that “there are still things that are difficult to glue” and “I want a stronger adhesive”. In the near future, we promise the arrival of a new product to astonish everyone.



Joint product development between research and sales supervisors



BOND ULTRA-TAYOTO™ S·U series

## To Date, and Into the Future

“Take the BOND from the toolbox”, “Oh! It’s empty!” This conversation is definitely happening somewhere today. Wood Glue (BOND) in its distinctive yellow bottle with the red cap, and the famous instant adhesive “BOND Aron Alpha” are typical products in the consumer field.

The activities of the products in the consumer fields take place amidst the daily lives in the ordinary days of every ordinary person. Consequently, prioritizing the user viewpoint more than anything, and the advantages for users, have been made clear. Even at the product development stage, long-run loyalty and trust are combined by accurately responding to such basic needs as “ease of use”, “safety and peace of mind”, and “ability to purchase anywhere”.

Currently, thoughts on fabrication by all consumers fly forth daily lives, showing a breadth that reaches territories as far as handicrafts, fishing, DIY, and other hobbies. Konishi is involved in developing products that can better respond to such thoughts.



Repairing water areas



Fixing broken items



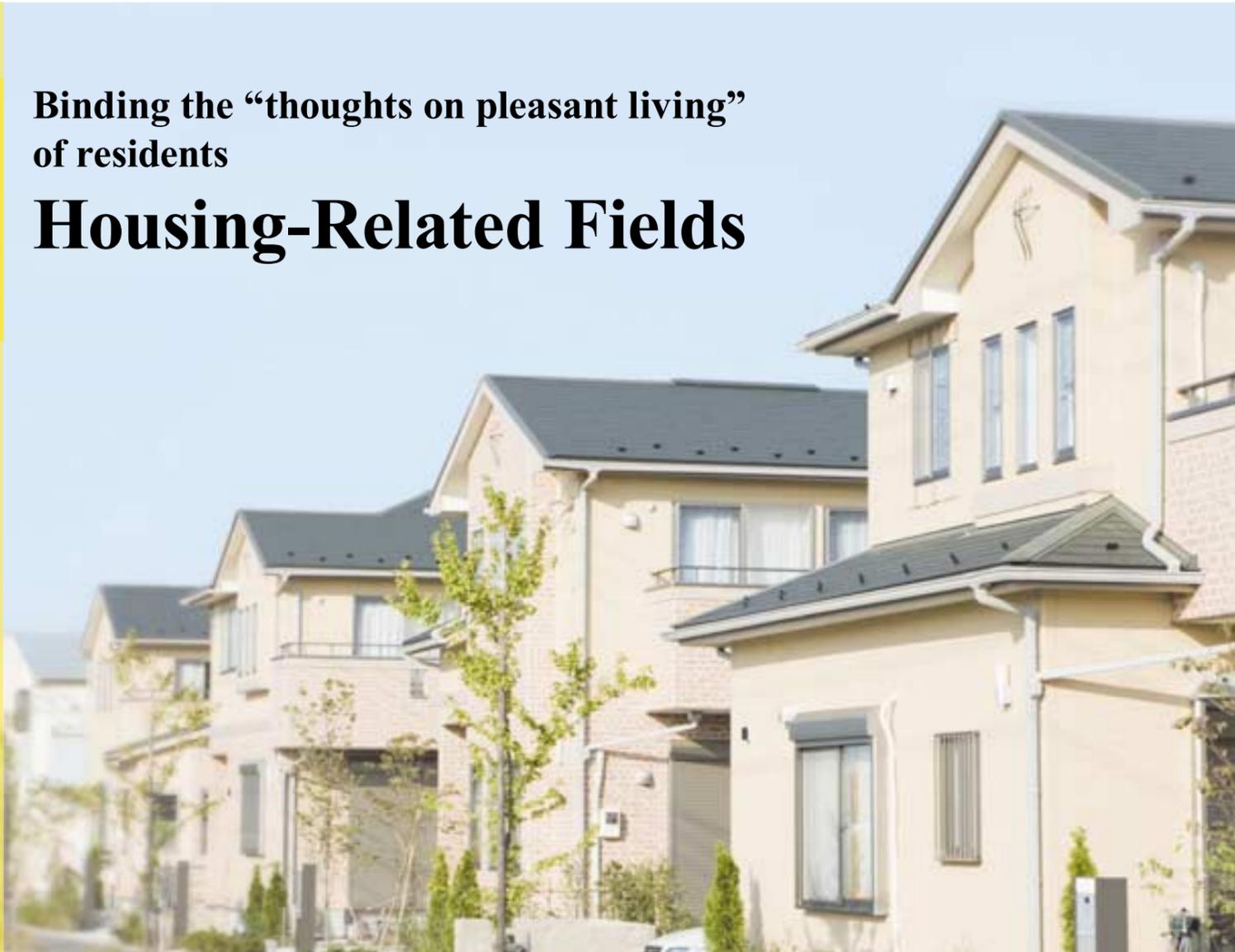
Decorating mobile phones

## Product Lineup





## Binding the “thoughts on pleasant living” of residents Housing-Related Fields



## KONISHI Innovation 2

### Pursuing Minimal Waste and Ease of Use BOND KU928C-X 2-way Pack

This would be safe; this would be simple. Adopting new containers for the floor adhesives used in housing and apartment construction. We use soft film-wrapped paper rather than paper tube cartridges. After use, they are tightly compressed to achieve approximately 1/10th of the size of a waste paper tube cartridge. Further, in addition to reduced waste, we have also improved workability. One of two methods of use can be selected easily: one that simply mounts to the cartridge, and one which is compressed manually as is.

This product considers not only a major reduction in waste after use, but also the likes of the workers and the characteristics of the construction parts. During manufacture, we have introduced equipment for integrated manufacturing at Konishi from the container packing materials to product production and filling. In this way, we have succeeded in reducing the waste involved in purchasing containers, and in reducing energy consumption by making the production processes more efficient.



Development team comprising research, sales, and production supervisors



Manual application Cartridge gun application

## Contributing to Better Residential Engineering

Despite being almost entirely invisible when complete, to achieve the detailed requirements of residents, such as housing floor adhesives, floors and ceilings and other interior construction, kitchen panel adhesives, outer wall tile adhesives, and sealants, Konishi products are active in various fields related to house building.

Further, there is the so-called “sick house syndrome”, which is caused by chemicals emitted into the air. In response to this issue, in which social involvement is progressing, we focused on products from the three points of safety, workability, and environmental protection to develop products that do not pollute the indoor atmosphere through various technological innovations. We are striving to manufacture products that consider the safety not only of the residents, but also of the users. The proofs of this safety are indicated with “F☆☆☆☆”, “JAIA 4VOC standard conformance”, and the “GREEN SPIRIT” logo for healthy residence compatibility.

Nowadays, when values regarding housing have changed and involvement in housing with long-term habitability of 100 or 200 years has started, we are actively meeting the needs of a society focused on the next generation by developing products with an “upgradability” function that can be easily removed during upgrading, and which do not damage the underfloor.



Flooring construction



Outer wall tile construction Underfloor construction

## Product Lineup



# 3

## Binding the Manufacturer's "Thoughts on Delivering Quality Products" Industrial Materials Fields



## KONISHI Innovation 3

### Opening New Fields that Enable the Manifestation of Konishi Technologies

Konishi products are used in all scenarios in the industrial materials fields. Customer occupations and needs are diverse, and the required performances are also many and varied. Among these in particular, high performance is required in the "automotive fields" and the "electronic and electrical fields".

In the automotive fields, materials replacement is considered daily, not only for heat resistance and durability that enable driving in various environments, but also with the aim of reducing weight to improve fuel consumption amidst the rapid transition towards hybrid vehicles and electric cars. Accurately grasping these trends is one of the major issues.

The electronic and electrical fields also use the same high level of technology as the automotive fields. In recent years, we have seen high demand for LED lighting-related products, and in addition to performance that can withstand harsh environments, fireproofing and heat dissipation are also indispensable elements.

Konishi not only satisfies the environmental laws and regulations of each country, but also has continued to polish our performance to date in order to fuse safety and workability at a high level. Further, we are also using our unique technical skills to develop products that will be required in the automotive and in the electronic and electrical fields in the future.



Automotive fields



Electronic and electrical fields

### Optimizing All Production Sites

From cardboard boxes to paper bags, and home appliances and mobile phones... In reality, many people casually touch Konishi products in the industrial materials fields, which manufacture various products that are used in their daily lives. In the industrial materials fields, adhesives are mainly used in factory production lines. Konishi adhesives are used both on production lines for paper tubes, books, bags, and cardboard boxes, as well as on production lines for truck refrigeration panels and interior vehicle parts. In developing products, the sales supervisors first identify the market needs, and together with the customers turn into finished products by combining improvements and modifications. We satisfy desires by creating optimized products according to the conditions at each individual site.

In the industrial materials fields, in addition to adhesives, Konishi products are used such as tapes, which are employed in fixing the panels and liquid crystal parts of home appliances, as well as "mold-release agents", which are applied when to separate urethane foam such as car seats and sofa cushions from their molds. In future, we shall be pouring our efforts into supplying products such as adhesives and sealants in the electronic and electrical fields, where demand is rising.



Paper tube production line



Steel door production Fixing liquid crystal panels

### Product Lineup



# Binding Social “Ideas on Safety and Peace of Mind” Civil Engineering and Construction Fields



## KONISHI Innovation 4

### Challenging New Civil Engineering Needs as a Manufacturer

With the current focus on “extending the lifespan of social capital stock” to form a recycling-based society, Konishi is creating various products and construction methods that can meet the needs of the times. Hitherto, the core of the construction fields has been the application of sealants to repair the outer walls and tiles on buildings, reinforce the earthquake resistance of the buildings themselves, and to prevent rain seeping into the buildings, but by advancing our developed technologies, Konishi products and construction methods are used in various civil engineering sites to prevent concrete separation in bridge struts, reinforce earthquake-proofing in the bridge struts by using carbon fibers and aramid fibers, and to prevent corrosion of the concrete in water and sewage pipes. As a manufacturer, we support safe and stress-free social engineering using diverse approaches.

Konishi will next develop high-quality products and construction methods by identifying the needs demanded by society through cooperation between sales and research supervisors. Further, we will take up the challenge of “extending stock life” for civil engineering constructions by making maximum use of our product, technological, and networking skills, which are our unique strengths, based on the trust and track record we have built up.



Repairing concrete ceilings  
Image of construction using  
BOND KEEP-MENTE SYSTEM  
VM-3 to prevent concrete  
shards from peeling

## Supporting Public Building Works and Social Infrastructure

Currently, this is an era of “stock life extension”, in which stock is maintained and managed to enable longer use by skillfully supplementing and revising building stock that was constructed in the past, and social capital stock such as bridges, roads, and water and sewage pipes. In addition, public facilities such as schools and hospitals are used as evacuation centers during emergencies, and so require earthquake proofing. Konishi not only develops and supplies adhesives and sealants suited to building repairs, upgrades, and reinforcement, but also is developing unique construction methods for outer wall repairs, improved earthquake resistance, and surface protection. We supply high-level technology as well as construction methods, and are expanding our dissemination activities, while also focusing on cooperative activities with industry, the civil service, and academia.

Further, we also support the “Konishi Bestem Industrial Association”, which comprises workers from approximately 840 companies throughout Japan. We hold periodic lectures on Konishi adhesives and new construction methods, and support workplace harmonization to normalize and standardize construction at a high level. In addition, we are involved from many angles in social engineering to create peaceful living, such as developing new products and new construction methods in cooperation with association members.



Sealing work



Crack repair work

Peeling prevention work

## Product Lineup

