



Environmental & Social Contribution through Business

At Fujikura Kasei, we pursue environmental and social contribution activities through our business practices, to fulfill our corporate social responsibility.

Coatings for plastics business



Reduction of CO₂ emissions by using water-borne in-mold coating

Water-borne, one-component coating "458W," developed by Red Spot Paint & Varnish in-mold coating, allows molding and coating to be performed simultaneously by directly applying it to the mold. With conventional coatings, the molding and coating processes must be performed separately, but this innovative coating reduces the number of work processes and thereby realizes energy savings and a reduction of VOC and CO₂ emissions. Continued efforts will be made to develop products that contribute to reducing CO₂ emissions as our contribution to our customers, society, and the environment.



In-mold coating surface achieved using 458W

Architectural coatings business



Enhancement of architectural value using water-borne metallic coatings

To propose new added value to buildings, the development of completely water-borne, high-durability products is underway with the aim of contributing to SDGs 11, 12, and 13. Among these products, the water-borne one-component metallic coating "ferbriller" not only exhibits the water-borne highly durable technology that Fujikura Kasei has cultivated to date, but also combines both high design and easy application properties, and can be used for architectural interiors, exteriors, and iron components. The metallic shine highlights the exterior design of buildings and lends a sense of luxury to building interiors. It is designed for easy application using a roller, and contributes to enhancing the value of a building while reducing environmental burden.



ferbriller

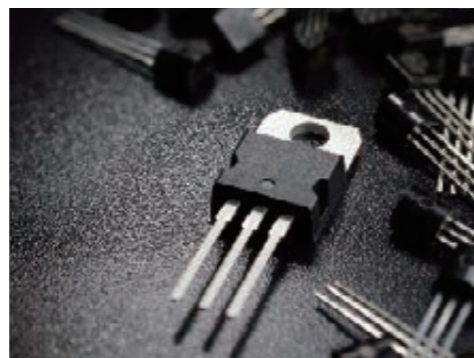


Electronic materials business



Contribution to heat dissipation and energy savings of electronic devices

Electronic device components today generate a large amount of heat during their operation, so it is necessary to dissipate that heat. Thus, the electronic materials department has developed and marketed a high thermal conductivity sintering paste. It can be applied by conventional methods such as by screen printing or using a dispenser, and delivers stable electroconductivity and adhesive strength without pressurization to efficiently dissipate heat from a component. The electronic materials business will continue to provide useful products to the energy-saving, low-power power electronics market and contribute to realizing a sustainable society.



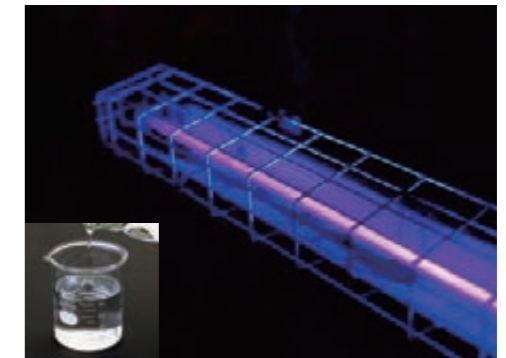
Power transistor

Functional polymers/polymers & resins business

Reduction of CO₂ emission using UV-curable adhesives



UV-curable adhesives do not use organic solvents, and can be commercialized by using resin only. To our company, this translates to a reduction in the usage of organic solvents. To our customers, this means a reduction of work processes such as drying, solvent recovery, and combustion. Up to now, adhesives that utilize organic solvents required energy to heat them in the drying process and to recover and incinerate the solvent. This consequently caused increased CO₂ emissions. However, by using UV-curable adhesives, energy savings and CO₂ emission reduction can be achieved simultaneously.



UV-curable adhesive

Medical materials area



Contribution to the dissemination of early diagnosis and enhancement of people's QOL

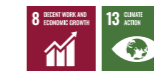
Diabetes has become a social problem throughout the world, but it can be prevented from becoming severe by receiving early diagnosis and proper instructions from a physician. For our part, we provide diabetes test reagents widely around the world at reasonable prices so even people who are not readily able to receive an examination can do so without worrying about prices. Furthermore, rather than promoting post-examinations after the onset of symptoms, we aim to realize a society where early diagnosis is possible through regular examinations.

From the perspective of animal welfare, we are recommending replacing reagents made from animal-derived protein with silk cocoon-derived protein using gene recombination technology and will be working toward its dissemination.



HbA1c reagent

Synthetic resins business



Contribution to diverse work styles and energy savings

Today, a gradually increasing number of convenience stores are closing during late-night hours due to the diversification of work styles.

To cover their open-style showcases when stores are closed at night, Tohkoh Jushi sells night covers. They prevent the leakage of refrigerated air, help maintain the freshness of products in the cases, and deliver high electricity savings and dust prevention. As a specialized trading company, Tohkoh Jushi brings together customers who have a problem and suppliers who have solutions, and thereby contributes to the diversification of work styles and to solving the social issue of energy conservation through its business.



Night cover