

## Case Study: PS-SEAL® with GYLON® Style 3510 Food & Pharmaceutical



### INDUSTRY

Food & Pharmaceutical - Bulk Handling Systems

### BACKGROUND

The customer's company group focuses on reliable automation and logistics for raw materials in the production processes of the food, pharmaceuticals, cosmetics, chemicals and plastics sectors. The customer's main activities are in bulk handling systems for raw materials.

The customer provides a wide range of solutions, from engineering and the supply of individual components, to the construction of complete turnkey plants, automation, installation and comprehensive after-sales service. All of their customer services come from a single source and they dovetail seamlessly.

Their end customers' finished products include food (e.g. baked products and beverages), animal food, dairy products, pharmaceuticals (e.g. tablets and capsules), cosmetics (e.g. toothpaste), building chemistry (e.g. tile adhesives and plasters), basic chemistry and plastics.

### CHALLENGES FACED

The customer's existing solutions did not fulfill the performance requirements. They needed to find a seal that was free of dead areas, wear-resistant, food-grade, ADI-free, and USP class VI.

### OPERATING CONDITIONS

**Temperature:** up to 40°C (104°F)

**Application Details:** CIP and SIP media

**Pressure:** up to 2 bar (29 psi)

**Media:** Food, beverage, pharmaceuticals, cosmetics, chemicals, dairy

### SOLUTION AND BENEFITS

Garlock worked with the customer's engineering team to align their technical needs with the best possible sealing solution. The customer placed high demands on hygienic connections. To meet the requirements of pharmaceutical and food industries, the customer implemented the PS-SEAL®, with GYLON® Style 3510.

After implementing the PS-SEAL®, the customer's application requirements for lifetime, food and pharmaceutical regulations were met. The PS-SEAL® provided the high resistance to media, temperature and abrasiveness that the customer needed. These positive outcomes prompted the customer to set the Garlock PS-SEAL® solution into their specifications.

For more information, please visit:

<http://www.garlock.com>

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