

## **More wear resistance at the touch of a button: new igus online tool for polymer coating**

**The iglidur coating designer can have your heavily used components coated in just three steps**

**Functional surface coatings are an integral part of everyday industrial life. igus iglidur coating materials can be used to protect particularly heavily used components from wear. The lubrication-free, plastic-based powder coatings serve as a friction-optimised surface for electrically conductive components, enabling customers to greatly extend their components' service life. The iglidur coating designer makes it even easier to select the right coating.**

The steadily growing range of igus configuration and service life calculation tools is making the selection of the right - and most cost-effective - solution as easy as possible. The latest addition is the [iglidur coating designer](#), which is starting operation in Germany. The tool helps users get their individual component coated in three simple steps. First, a CAD model is loaded into the online tool (file formats .stp, .step or .stl are supported). Then the coating material is selected from six different iglidur coating powders that can be directly compared in the tool. In the end, layer thickness is specified - and the tool does the rest automatically, including calculating price and delivery time. Final component appearance after coating is also displayed immediately. The user can download the associated data sheet by clicking on it. In the last step, the user can query the shopping cart, forward it to the responsible purchaser or other parties involved in the design or procurement process or order immediately.

### **Simple, durable and suitable for a wide range of applications**

Like all iglidur materials, the coating materials are tribologically optimised and therefore offer excellent friction and wear values. Metallic surfaces are protected from abrasion by other friction partners and from scratching - without any additional components. This reduces application complexity. The iglidur coating powders can be applied to almost any surface, which means that they solve wear problems in places where conventional plain bearings cannot be installed

due to undercuts or limited installation space. They can be used on valves, hinges and guide plates. The six available coating powders are suitable for a wide range of applications, for example in combination with high temperatures or in the food sector. The special feature is that none of the iglidur coating materials require any additional lubrication. Integrated solid lubricants always ensure the lowest possible friction. "The iglidur coating serves as a wear layer that optimally protects customer components, significantly extending the service life of applications," says Marc Trenkler, Product Manager iglidur Coating at igus. "Tests in our in-house laboratory show that our polymer coatings are up to ten times as wear-resistant as PTFE coatings."

If you prefer to coat yourself, you can also order the iglidur coating powder directly from the igus [online shop](#).

**Caption:**



**Picture PM1423-1**

Longer service life thanks to polymer powder coating: the iglidur coating designer enables customers to get their individually coated component in just a few clicks. (Source: igus GmbH)

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### ABOUT IGUS:

igus GmbH develops and produces motion plastics. These lubrication-free, high-performance polymers improve technology and reduce costs wherever things move. In energy supplies, highly flexible cables, plain and linear bearings as well as lead screw technology made of tribo-polymers, igus is the worldwide market leader. The family-run company based in Cologne, Germany, is represented in 31 countries and employs 4,900 people across the globe. In 2021, igus generated a turnover of €961 million. Research in the industry's largest test laboratories constantly yields innovations and more security for users. 234,000 articles are available from stock and the service life can be calculated online. In recent years, the company has expanded by creating internal startups, e.g. for ball bearings, robot drives, 3D printing, the RBTX platform for Lean Robotics and intelligent "smart plastics" for Industry 4.0. Among the most important environmental investments are the "change" programme – recycling of used e-chains - and the participation in an enterprise that produces oil from plastic waste.

The terms "igus", "Apiro", "chainflex", "CFRIP", "conprotect", "CTD", "drygear", "drylin", "dry-tech", "dryspin", "easy chain", "e-chain", "e-chain-systems", "e-ketten", "e-kettensysteme", "e-skin", "e-spool", "flizz", "igear", "iglidur", "igubal", "kineKIT", "manus", "motion plastics", "pikchain", "plastics for longer life", "readychain", "readycable", "ReBeL", "speedigus", "tribofilament", "triflex", "robolink", "xirodu" and "xiros" are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.