

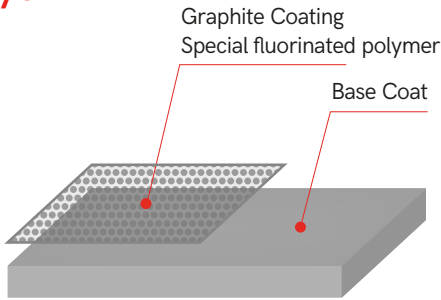


ATCOTE™

The special fluorinated polymer coating

ATCOTE™ is a special fluorinated polymer based with graphite coating. It's black coloured due to the presence of graphite in the formulation.

Layer



Properties

- Anti-seize
- Integrated lubrication
- Dry to touch
- Controlled coefficient of friction

Performance

- The coefficient of friction (thread friction) is 0.12 - 0.18 in accordance with ISO16047
- No detachment when subjected to blowing for 5 seconds with compressed air at a pressure of 3-4 bar (>45 psi) from a distance of approximately 30 mm
- Prevents weld sputter sticking to the treated area

Process

- It's applied by spray method
- During the process the parts are subjected to a maximum temperature of 250 °C for the polymerization
- In case of uncoated parts it could be necessary to reach a temperature of 300-400 °C for the pre treatment cleaning and the surface is also pre-treated by μ -sandblasting with corundum

Application Types

- On internal or external threaded parts to avoid the contamination caused by weld sputter and accumulation of paint
- On Zn/ZnNi plated and passivated parts

Example of application

It may be used as:

- a barrier coating on fasteners which are to be processed through electrodeposition primers and welding operations;
- a replacement of plugs, caps, and plastic protections used to avoid the contamination of threads by electrolytic coatings

Environmental safety

It is Cr(VI) and heavy metal free.