

Process: **Proco – E-CTFE 2012**

- Typical features:**
- **Maximum resistance to chemicals**
  - **High layer thickness**
  - **Antistatic**
  - **Smooth**
  - **Food compliant**

Proco – E-CTFE 2012 is a coating process primary for the chemical protection or corrosion prevention. The used material is a Halar® brand product. It owns an excellent permanence against almost all chemicals, acids, lyes and organic solvents. As an antistatic coating the procedure is also applicable for ATEX zones.

- Areas of application:**
- Apparatus construction:** columns, reactors, pumps, valves, chemical tanks, syphon tubes, mixers, temperature sensors, centrifuges, laboratory equipment, fittings.
- Mechanical engineering:** rollers, vats, mixers, worm conveyors, moulds, slides, insulations, drying chambers, etc.

<b>Properties:</b>	Characteristic:	thermoplastic
	Colour:	black
	Layer thickness, standard:	ca. 400 – 1000 µm
	Maximum permissible heat load, dry:	150 – 180°C
	Shore hardness:	ca. D 85
	Melting point:	225°C
	Tensile strength:	ca. 800 kg/cm <sup>2</sup>
	Electrical resistivity:	ca. 10 <sup>6-7</sup> Ω
	Roughness:	ca. 0,3 – 0,5 µm Ra
	Approvals:	for the contact with food, competition according to Regulation 1935/2004 EC Regulation (EC) N° 10/2011
	Pre-treatment:	anti-corrosive sandblasting Sa 3 (DIN EN ISO 12944-4)

The planning and manufacture of coatings are subject to the general instructions of DIN EN 14879-1.