



Certanium 34C

An instant freeze, high strength alloy solder expressly designed for stainless steels and joining all metals, except light metals.



Features & Benefits

- Contains no lead, copper, antimony, zinc or cadmium
- 5 times as strong as a normal solder: 14kg/mm²
- High electrical conductivity – 25% higher than tin-lead solder
- Leaves a smooth and shiny finish, ideal for stainless steel and chrome plate
- Low melting point: 222° C
- High resistance to corrosion
- Acceptable for incidental food contact use

P/N	Product	S/C	Packaging
14191	Certanium 34C 1.6 mm	34C	31 g coil
14662	Certanium 34C 1.6 mm	34C	450 g spool

Application

34C is ideal for stainless steel, dissimilar metals and metal plating like chrome, nickel and cadmium. Deposits will not blacken and can be plated.

Typical applications are: Dairy equipment, food/beverage equipment, toilet fixtures, hobby repairs, electrical repair, heater control cables, hydraulic shafts, refrigeration, regulators, repair/fabrication of stainless steel equipment, food vessels, sinks, kitchen/hospital equipment and parts subjected to vibration.

Wherever common solder is subject to vibration, sudden jarring or other stresses, use Certanium 34C to eliminate potential joint failures.

Instructions

1. Clean joint area.
2. Heat the base metal with a soft flame until the solder activates. For best results, do not direct the flame on the solder alloy.
3. Even heating of the base metal ensures complete bonding and best capillary flow.
4. After soldering allow parts to completely cool.
5. On stainless steel and refractory metals, tin both parts before joining.
6. When tinning surfaces, use a damp cloth and wipe while the metal is still hot.



Technical Information

General info:

Consistency: Solid
Base material: Silver
Colour: Silver grey
Shelf life: 3 years
Customs Tariff Code: 7107 00 0000
VOC: 0 g/l
Specific gravity:
Melting temperature: 220° C
Tensile strength: Max. 14 kg/mm²



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**KENT (United Kingdom) Ltd, Forsyth House, Pitreavie Way, Pitreavie Business Park, Dunfermline,
 Fife KY11 8US Tel : 0800 136925 or 01383 723344 between 08:30-17:30
 Monday-Thursday, 09:00-15:00 on Fridays'. For out of hours queries please Fax us on 01383
 735829 or Email: KENTsales.UK@kenturope.com**

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