

BONDERITE C-IC 62

Known as Deoxidizer 62
February 2017

PRODUCT DESCRIPTION

BONDERITE C-IC 62 provides the following product characteristics:

Technology	Surface Treatment
Product Type	Industrial Cleaner
Application	Deoxidation

BONDERITE C-IC 62 removes oxides and alkali residues of former alkaline degreasing or etching processes on aluminium and its alloys.

BONDERITE C-IC 62 is used in pre-treatment processes, before painting, chemical or anodic anodizing and etching processes before welding.

BONDERITE C-IC 62 does not generate sludges.

TECHNICAL DATA

Appearance	colourless to yellowish liquid
Density at 20°C	~1.12
pH (1%)	~2.0

DIRECTIONS FOR USE

Preliminary Statement:

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Plant Material:

The material in contact with the BONDERITE C-IC 62 bath should be made in stainless steel type AISI 316 L or in plastic material (polyethylene, polypropylene or PVC for example).

Operating Parameters:

Dip:

Concentration	20 to 100 mL/L
Temperature	from 20°C to 40°C
Contact time	0.5 to 10 min
Pressure	---

Spray:

Concentration	5 to 30 mL/L
Temperature	from 20°C to 40°C
Contact time	0.5 to 3 min
Pressure	1 to 2 bars

Remarks: Ratio of etching is function of contact time and temperature.

If cleaning and deoxidizing operations are requested, a surfactant (type Synergic CW) could be added.

Process Sequence (*):

1. Cleaning: BONDERITE cleaners
2. Rinsing
3. BONDERITE C-IC 62
4. Rinsing
5. Conversion
6. Rinsing
7. Drying

(*): depending on the operations, the sequence could be adjusted

Bath Control:

Titration:

- Pipette 10 mL sample of the BONDERITE C-IC 62 into a flask.
- Dilute with 50 mL of distilled water and add 3 to 5 drops of Indicator Bromophenol blue.
- Titrate with 0.1 N caustic solution until the colour changes from yellow to blue-purple.
- Record the number of V ml of 0.1 N caustic solution.

Free acidity (points): = V

Concentration of BONDERITE C-IC 62 (mL/L) = V x 2.4

Concentration of BONDERITE C-IC 62 (g/L) = V x 2.7

Replenishment:

To increase free acidity of 1 point, add 240 mL (270 g) of BONDERITE C-IC 62 for 100 L of bath.

Caution:

Wear

- Eye goggles
 - Rubber gloves
 - Acid resistant wear
- Avoid skin contact!
Provide good ventilation!

Storage

Recommended Storage Temperature, °C	5 to 40
Shelf-life, months (in unopened original packaging)	24

Classification:

Please refer to the corresponding **Material Safety Data**

Sheets for details on:

Hazards identification
Transport information
Regulatory information

ADDITIONAL INFORMATION**Disclaimer****Note:**

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Reference 0.1