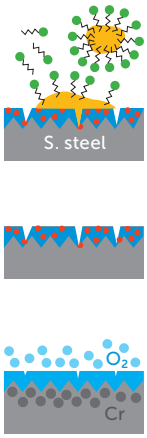
DECOMET

Citric acid based liquid product for the passivation of all grades of stainless steel. Removes iron oxides and accelerates the formation of a chromium passivation film.

AEROSPACE & AUTOMOTIVE RANGE

FUNCTION	APPLICATION/POLLUTION
Soaking passivation process	Iron oxides

PASSIVATION STEPS



Surface cleaning: water + Galvex 20.02

Fe_2O_3 removal with Decomet

Passivation: Cr_2O_3

27/11/23

COMPATIBILITY

- Super alloys :
  - Inconel, Waspalloy, A286
- Hard steels :
  - 52100 Chrome steel, cast iron
  - 15-5 PH, 17-4 PH
- Bearing steels :
  - D50, 440C, 316
- Ceramics
- Polymers
  - Nylon, PA, PEEK

COMPONENTS

- Citric acid, surfactants
- No CMR compounds, REACH compliant

PHYSICOCHEMICAL DATA

- pH concentrated: 1.00
- Density: 1.17
- Surface tension: 31.2 mN/m

STORAGE CONDITIONS

- Keep the recipient hermetically sealed between 5°C and 40°C (41°F and 104°F) in a dry place.
- Always keep in packaging made from the same material as the original packaging (HDPE).

INSTRUCTIONS FOR USE*

- Concentration: 10 to 20%
- Temperature: 20 to 70°C (68-158°F)
- Time: 4 to 20 minutes

*Dependent on the quality of the water and the nature and quantity of contaminants.

PROCESS EXAMPLE

- Surface preparation before passivation

CLEANING		PASSIVATION				
GALVEX 20.02 Tap water Conc.: 2-5% Temp.: 40-70°C 104-158°F Time: 3-5 min US	TAP WATER RINSE Temp.: 20-30°C 68-86°F Time: 3-5 min	DECOMET Tap water Conc.: 10-20% Temp.: 20-70°C 68-158°F Time: 4-20 min	TAP WATER RINSE Temp.: 20-30°C 68-86°F Time: 2-3 min	DI WATER RINSE Temp.: 20-30°C 68-86°F Time: 1-2 min	DI WATER RINSE Temp.: 20-30°C 68-86°F Time: 1-2 min	HOT AIR DRYING

If you have any questions, please contact our Application Centre on: +41 22 365 46 66

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SWISS QUALITY