

## CHEMICAL PRODUCTS FOR PICKLING AND PHOSPHO-PICKLING PROCESSES

In the wide range of **chemical products for surface treatments**, Dollmar offers three special **product lines for pickling**:

- **Dollacid®** line
- **Dollclean®** line
- **Dollox®** line

Dollmar proposes pickling chemical products that are appointed for different types of materials to treat.

Some products for **pickling process on stainless steel**:

- **Dollox FS 570** and **Dollox AO 580** are pickling products at low environmental impact that can be used in substitution to the traditional systems based on nitric acid;
- **Dollacid FN 573** is the classical pickling product based on nitric acid that permits to obtain excellent results.

Some products for **pickling process on copper and alloys**:

- **Dollacid CU 508** is a product based on organic acids particularly adequate to pickle oxidized copper;
- **Dollox AO 553** and **Dollclean AD 709** are optimal for brass pickling.

Dollmar supplies also phospho-pickling and alkaline products.

The **phospho-pickling chemical products** are fitted for the pretreatment of surfaces that are heavily oxidized.

Dollmar phospho-pickling products permit to remove calamine from iron, oxides from zinc and to etch efficaciously the aluminium.

These products are used before coating and are usually cooperated with **nanotechnological products** in the final phase of pretreatment.

Some phospho-pickling products are **Dollacid FD 540** and **Dollacid FD 545**.

The alkaline chemical products are used to eliminate calamine before phosphating and other surface conversions.

These special products are also known as “**heavy-duty degreasers**” seeing as how they carry out complex tasks such as the elimination of heavy oils and oxides.

Some alkaline products are **Dollclean AS 420** and **Dollclean AS 421**.



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For further information on Dollmar nanotechnologies, do not hesitate to contact our departments writing to [info@dollmar.com](mailto:info@dollmar.com) or calling us at +39029509611