

deconex[®] de-coat 100

For the removal of TiN, TiCN and TiAlN multi-layer coatings on carbide and composite materials

Suitable for use in temperature-controlled immersion baths



Usage

deconex[®] de-coat 100 is a liquid product that is used to remove the following coatings:

- TiN
- TiCN
- TiAlN
- AlTiN
- AlTiSiN
- TiB₂

on the following substrates:

- Carbide
- Composite materials made from carbide and tool-grade steel

Application

The following application conditions have been found to be effective in practice:

Decoating	Dosage	Temperature	Decoating time* (for 2 µm layer thickness)	
Use in temperature-controlled immersion baths	100 mL/L H ₂ O ₂	17-20 °C	TiN	1-5 h
			TiCN	1-6 h
			TiAlN	2-18 h
			AlTiN	2-18 h
			AlTiSiN	5-9 h
			TiB ₂	1-2 h

* The decoating time is greatly dependent on:

- the process temperature selected
- the quality of the coating, (i.e. on the coating method used and the layer structure)
- the coating thickness

Important additional informations on the application can be found in the decoating instruction.

Before decoating can take place, certain technical requirements must first be met. We recommend that you contact us in this regard.

Ingredients

Organic salts, corrosion inhibitors

deconex® de-coat 100

Instructions for use

The substrates must be cleaned oil-free and grease-free before decoating; Borer Chemie AG offers suitable cleaning solutions for this.

For the implementation of the decoating please use our decoating instructions.

Neutralisation/disposal

Please refer to our disposal instructions for information on disposal.

It should be noted: The used decoating solution must be disposed of professionally by a disposal company. The safety data sheet can be referred to for this purpose. Locally applicable waste water and disposal regulations must be complied with.

Chemical-physical data

pH value	1% in demineralised water	approx. 8.0
Density	Concentrate	1.22 g/mL
Appearance	Concentrate	clear, colourless liquid

Delivery

Please ask your representative regarding current container sizes.

Containers, screw caps, seals and labels are made from recyclable polyethylene.

Material compatibility

- Carbide
- Composite materials made from carbide and tool steel

Independent compatibility tests should be carried out on materials other than those specified or requested from Borer Chemie AG.

Additional information

Information regarding safety in the workplace, storage, disposal and waste water treatment can be found on the safety data sheet for this product and in the decoating and disposal instructions.

For professional use only.

For more information about the product and its use, please contact your supplier or Borer Chemie AG.

Benefit from our expertise! Ask us for practical information about your specific application.

Manufacturer:

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