ATRON® DC

Water-based cleaning agent for the removal of coating material from pallets, fixtures and tools

ATRON® DC is the world's first water-based cleaning agent specifically developed for maximum decoating power at the highest level of operator safety. It reliably removes different coating materials such as acrylics, polyurethane, epoxy, UV curable types or parylene, from coating frames, pallets and fixtures. ATRON® DC is suitable for all maintenance cleaning machine types, especially dip tank and ultrasonic processes.

Areas of Application: Coating Frames

Recommended Applications	Additional Product Information
Acrylate-based Coatings	**Material Compatibility Overview**
Polyurethane-based Coatings	
Epoxide-based Coatings	**Safety Data Sheet**
Silicone-based Coatings	

Key Benefits

- Water-based formulation
- High operator safety – use of aggressive stripping chemistries is not necessary anymore
- Strong decoating performance
- Good material compatibility – both selective processes and complete frame/pallet submersion are possible

Process Steps

Please note that coating materials can exhibit varying behaviors during the removal process. In some cases, the coating will peel off in layers or dissolve in the cleaning bath. In cases where the coating material peels off in layers, additional maintenance steps are to be considered. For further details, reference the cleaning processes below. Slight coating residues remaining on the parts can be removed with a cloth or brush.

Cleaning Process	Parts	Cleaning	Rinsing	Drying
Dip Tank[1]	Coating Frames/Pallets/ Fixtures	ATRON® DC	Tap water at room temperature	Air dry or hot/circulating air
Ultrasonic[1]	Coating Frames/Pallets/ Fixtures	ATRON® DC	Tap water at room temperature	Air dry or hot/circulating air
Spray-In-Air[2]	Coating Frames/Pallets/ Fixtures	ATRON® DC	Tap water at room temperature	Air dry or hot/circulating air

[1] If coating is removed in layers rather than dissolving into the bath, regularly remove undissolved coating to avoid residual redeposition onto frames/pallets.

[2] If coating is removed in layers, verify spray bars and filters remain unobstructed to achieve steady flow.

Technical Data: ATRON® DC at 25% Concentration

Density	g/ml at 20°C / 68°F	1.04
Surface tension	mN/m at 25°C / 77°F	N/A
Boiling point	°C / °F	100 / 212
Flash point	°C / °F	> 100 / > 212
pH value	10g/l H_2O	Neutral
Vapor pressure	(mbar) at 20°C / 68°F	N/A
Cleaning temperature	°C / °F	25-60 / 77-140
Solubility in water		Soluble
Application concentration[1]	Concentrate	20-25%
HMIS	Health-Flammability-Reactivity	0-0-0

[1]**ATRON® DC is recommended to be diluted in DI-water.**

Process Optimization

To ensure a stable cleaning process, it is important to monitor cleaning agent concentration and regular bath treatment. For ATRON® DC the ZESTRON® Bath Analyzer 20 is available as a fast and reliable manual test for cleaner concentration:

Contact ZESTRON's Application Engineering Team for more information or trails:
Phone: +1 (703) 393-9880 Email: infousa@zestron.com

Environmental, Health and Safety Regulations

- ATRON® DC is water-based and biodegradable.
- ATRON® DC is formulated free of any halogenated compounds and therefore environmentally friendly.
- Refer to the SDS for specific handling precautions and instructions.
- This product is non-hazardous material. Biodegradable and environmentally-friendly material.

Availability & Storage

- Available as a concentrate.
- Store ATRON® DC in the original container at a temperature between 5-30°C / 41-86°F
- The product has a minimum shelf life of 5 years in factory sealed containers.

1 Liter	✓
5 Liter	✓
25 Liter	✓
200 Liter	

Product Standards

100% compliance with EU guidelines (RoHS 1, 2 & 3, WEEE)

Product is free of any critical substances according to SIN & SVHC lists