

	TECHNICAL SHEET	CODE: FT-ID-01
		VERSION: 1
		DATE: 08/01/2021

BN 83 SUPERBRIGHT

BRIGHT NICKEL PROCESS WITH GREAT LEVELING POWER

• OVERVIEW

BN 83 SUPERBRIGHT produces deposits with a quick shine and leveling, attractive appearance in times 30 to 50% lower than those determined in other Nickel processes that allows working at low cost, due to the economy of Electrolytic Nickel that is obtained, recommended for treatment of furniture and accessories of tubular type, as of pieces in which high brightness and leveling are required, adapting to static and drum baths, which due to its compatibility with other processes on the market is easy to convert. **A:** 2810

IMO: N/A

• OPERATING CONDITIONS

Temperature	55 - 60 °C
Current Density	5 - 7 Amp/dm ²
Drum Voltage	10 - 15 V
Static	4 - 6 V
pH	4.0 - 4.2
Filtration	Go on.
Agitation	Mechanical or Air

• PHYSICO-CHEMICAL SPECIFICATIONS

Aspect	Colorless/mild liquid	yellow
Fitness	Liquid	

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Color	Colorless/ Slight yellow
Density	1.09 – 1.13
pH	3.5 – 4.5
Solubility in water	Complete
Chemical Nature	Acid

• BATH FORMULATION

Nickel Sulfate	300 g/l
Nickel Chloride	60 -70 g/l
Boric Acid	50 g/l
BN 83 SUPER BRIGHT BASE	30 - 40 cc/l
BN 83 SUPER BRIGHT	1 cc/l
NIVET (Cathodic Agitation)	3 cc/l
NIVET AGITAIRE (Air Agitation)	3 cc/l

• CONTROL AND MAINTENANCE OF ADDITION AGENTS

Maintenance should be done with additions of **BN 83 SUPERBRIGHT**. The consumption will depend on the desired degree of leveling, the current density used, stirring speed and other critical variables in the bathroom such as temperature. An average consumption to guarantee optimal results is 2 - 3 liters of **BN 83 SUPERBRIGHT** per 10,000 Amp / Hour, in static and drum baths. Under normal conditions the consumption of **BN 83 SUPERBRIGHT BASE** will be 1.4 to 2.8 liters per 10,000 Amp / hour.

1. CONVERSION OF OTHER SOLUTIONS

Since the additives that constitute the **BN 83 SUPERBRIGHT** process can be used in all types of solutions, the conversion has no difficulties, being able to be carried out gradually without the need for purification treatments, however, when doubts are had and it is deemed appropriate, the Technical Service of **BYCSA S.A.** can be used, sending a sample of 1 liter of solution for conversion, in order to proceed according to our recommendations.

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2. EQUIPMENT

Polypropylene tanks the P.V.C
Titanium or Teflon resistors
Electrolytic nickel anodes in coins

3. WASTE STORAGE AND MANAGEMENT PROCEDURE

Storage	In a covered and cool place on pallets or shelves.
Leaks or spills	Wash the floor with water.
Waste management	Dilute and neutralize before dumping.

1. MANUFACTURED

BYCSA SA. Barbosa (Plant): Corregimiento Popalito. Finca Los Búcaros km 8 Via a Porce. PHONE: (574)4682016

1. CONTACT US

Bogotá PBX: (571) 7427171
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2. CONTENT UPDATE

Date	Changes made	Responsible	Area
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20/05/2022	Upgrading to a new format	Ana Sofia Valencia Ortega	Quality Control

3. REVISION OF THE DOCUMENT

Date	Revised	Responsible	Area
23/05/2022	Upgrading to a new format	Quality Coordinator	Quality Control

CONTROL OF THE DOCUMENTED INFORMATION

NUMBER	CODE	DATE	VERSION	DESCRIPTION
Technical	FT-ID-01	08/01/2021	1	Creating the document

PREPARED BY	REVIEWED BY	APPROVED BY
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