

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

AVAR 70

SELF-REGULATING FOR DECORATIVE CHROME BATHROOMS

1. OVERVIEW

The **property of the A.V.A.R. 70** is to catalyze the reactivity of the chrome bath by increasing the penetration and deposit speed in the processes of Decorative Chrome and Industrial Chrome (Hard Chromium). **A: 3288**

IMO: N/A

2. ADVANTAGES AND PROPERTIES

1. HIGH DEPOSITION SPEED (50% faster than Conventional Chromium baths).
2. **HIGH PENETRATING POWER** of the stools (50% higher than Conventional Chromium baths). o Brighter Chromium deposits in a wide range of current intensities compared to Conventional Chromium baths.
3. Reduced sensitivity to momentary current interruptions.
4. More compact tanks, offering better corrosion resistance. o More flexible tanks, which offers greater resistance to fatigue.
5. Greater ease in control and maintenance of the solution.
6. Low operating costs

1. COMPOSITION OF THE SOLUTION AND PREPARATION

Chromic Acid	300 g/l
Sulfuric acid	0.9 g/l
Compuesto Autorregulante AVAR 70 10	g/l
Anti-spray CROMIST N - 70	0.1 – 0,2 cc/l

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7. Fill the tank with clean water to 2/3 of its volume.
 - o Pre-dissolve the CHROMIC ACID and add it in small amounts by stirring constantly.
 - o Carefully add the SULFURIC ACID in order to avoid splashes due to heating effect of the solution, maintaining constant stirring.
8. Add the SELF-REGULATING A.V.A.R. 70.
 - o Complete the total volume with water and shake until the mixture is completely homogenized.
 - o Place the Anodes and a Cathode (solid iron rod of 1 cm. of diameter previously nickel-plated), to make electrolytic purification of the Bath between 2 and 3 volts and for 8 hours.
9. Once the bath with rod is activated, we proceed to work constantly.

1. OPERATING CONDITIONS

Temperature	40 - 50 °C
Current intensity	5 - 30 A/dm ²
Voltage	4 - 8 Volts
Time	According to the thickness of Required layer
Tanks	In Polypropylene or P.V.C.
Heaters	Heaters or coils with porcelain or lead cover.
Anodes	Use alloy anodes Lead-Tin or Lead-Antimony
Vacuum cleaners	Suction equipment that captures vapours can be used and chromic mists that are They produce during electrolysis.

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1. PHYSICOCHEMICAL AND MICROBIOLOGICAL SPECIFICATIONS

Aspect	Orange Powder
Fitness	Solid
Color	Orange.
Solubility in water	Complete
Chemical Nature	Acid

2. MAINTENANCE

The consumption of the **AUTOREGULANTE A.V.A.R. 70** is low and partly due to the dragging of the pieces. When the content of the **AUTOREGULANTE A.V.A.R. 70** is low, the Chromium deposits show low penetration and iridescent zones in low current density, which is corrected with additions between 0.5 - 1.0 g / l restoring the deposition rate and homogeneity of the deposit.

The additions of sulfates must be permanently controlled since an excess of them generates problems of penetration, burns in the pieces and soft and irregular deposits. The technical department of **BYCSA S.A.** will advise you on the control and maintenance of them.

3. PRECAUTIONS AND WARNINGS

Avoid contact with eyes and direct inhalation, otherwise wash with plenty of water for 15 minutes. If the reaction persists, consult your doctor. Do not eat food during product handling. Keep out of reach of children and pets.

4. STORAGE CONDITIONS

Store in a cool, dry, ventilated place. Keep closed in its original container, away from sunlight and preferably from any other source of light and heat of long exposure.

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5. MANUFACTURED

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6. CONTACT US

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329

7. CONTENT UPDATE

Date	Changes made	Responsible	Area
18/05/2022	Upgrading to a new format	Camila Zapata	Quality Control

8. REVISION OF THE DOCUMENT

Date	Revised	Responsible	Area
18/05/2022	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

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