

NUSTRIP AU

HIGH CAPACITY GOLD STRIPPER

INTRODUCTION

Nustrip AU is a fast, high capacity, gold stripping process. It will strip gold from copper or nickel substrates with minimal substrate attack.

BENEFITS

Fast stripping speed.

High gold capacity.

Minimal substrate attack.

SOLUTION MAKE-UP

Nustrip AU 50 gm/l

OPERATING DATA

Temperature	20 - 55 deg C
Agitation	Work or solution movement is recommended.
Extraction	Mandatory.

EQUIPMENT

Tanks	Stainless steel, mild steel or suitable plastics.
Heaters	PTFE, stainless steel, mild steel immersion heaters or steam coils.
Jigs	Stainless steel or mild steel uncoated jigs. Stainless steel baskets.

INSTALLATION

1. Thoroughly clean tank and fill approximately two thirds full of water.
2. Add 50 g/l Nustrip AU and stir until dissolved. (CAUTION - Nustrip AU salts contain cyanide).
3. Top up to final operating level with water.
4. Heat to operating temperature.

MAINTENANCE AND CONTROL

The most economic way to use Nustrip AU is to prepare sufficient stripping solution so that it can be operated to saturation in as short a time as possible. Intermittent use of the stripper over a period of weeks will result in decreased stripping speeds and reduced capacity. A solution operated intermittently can be replenished with additions of 10 gm/litre Nustrip AU up to a total of 100 gm/litre replenishment.

For a solution operated to saturation in a 2-3 day period the stripping rate to be expected at 55 deg C and increasing gold concentrations are as follows:-

<u>Gold Concentration</u>	<u>Stripping Rate</u>
0	1.5 microns/minute
5 g/l	0.8 microns/minute
10 g/l	0.5 microns/minute
15 g/l	0.25 microns/minute
20 g/l	0.15 microns/minute

NOTES ON THE USE OF NUSTRIP AU

Stripping rate. The faster stripping rates are achieved at the higher temperatures but 55 deg C should not be exceeded. Increasing the agitation will also increase stripping rate. Agitation by solution movement/stirring is recommended. Air agitation should not be used.

Substrate attack. Parts should be removed from the stripping solution when stripping is completed and in most cases will be capable of being re-plated. However, depending on the precise nature of the substrate, the deposit necessitating stripping and the mode of stripping, care should be taken during the stripping operation and the substrate inspected carefully before re-plating.

DISPOSAL

Dispose of in accordance with local authority requirements.

PRODUCT FAMILIES

The following products or product families are referred to in this data sheet.

<u>Product Name</u>	<u>Product Number</u>
PMD Nustrip AU	089005

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