

ACTI/Plate DM-40 Pre-Dip

A Chemical Pre-dip Prior to Application of ACTI/Plate DM-50 Catalyst

Product Description

ACTI/Plate DM-40 Pre-Dip (DM-40) is an aqueous solution containing the exact chemical components contained in the ACTI/Plate DM-50 Catalyst, less the palladium colloid. DM-40 serves to condition the hole wall surface prior to catalyst application, and promotes excellent absorption of the palladium colloid. Additionally, the DM-40 bath minimizes potential contamination and/or water dilution of the catalyst bath by assuring solution drag-in is identical in composition to the DM-50 Catalyst matrix.

Performance Features

- ACTI/Plate DM-40, when used properly, minimizes contamination of the DM-50 catalyst bath.
- ACTI/Plate DM-40 is an acid free formulation, reducing equipment wear and improving ease of use.
- ACTI/Plate DM-40 is provided as a ready to use single component comprising 100% of the Pre-dip make-up and 95% of the DM-50 catalyst make-up.

Physical Specifications

Physical State	Liquid
Appearance	Transparent
Odor	Mild
Freeze/Thaw Stability	Protect From Freezing
Specific Gravity	1.2
pH	2 - 5
Flash Point	None

Equipment Requirements

Tanks: Constructed or Lined with PVC, CPVC, Or Polyethylene.

Heaters: Constructed Of Quartz Or Teflon. Stainless Steel Heaters Cannot Be Used.

Racks: Constructed or Lined with Hynel Or Plastisol Coated Steel.

Agitation: Mechanical Agitation Should Be Employed Such That Solution Makes Contact With Hole Walls And Blind Vias.

Filtration: Recommended But Not Required.

Technical Data Sheet

Product Make-Up

ACTI/Plate DM-40 is a single component and should not be diluted prior to use. To prepare a working bath of ACTI/Plate DM-40, follow the procedure below.

Procedure

1. Thoroughly rinse the tank and inspect for cleanliness, paying special attention to the heaters and heater sheathings.
2. Fill the clean process tank with ACTI/Plate DM-40 to the desired working level.
3. Use a filter and recirculating pump to assist bath agitation and elimination of hot or cold spots if heat is employed.
4. Keep tank covered to prevent evaporation of water or introduction of contaminants when not in use.

Operating Parameters

Concentration	DM-40 Is Employed At 100% By Volume. Do Not Dilute With Water Or Make Additions Other Than Fresh DM-40
Temperature	Ambient: 55 - 100°F
Application Method	Immersion Or Flood
Time	1-2 Minutes Depending Upon Agitation.

NOTE: To minimize water evaporation and prevent unnecessary contamination, cover the ACTI/Plate DM-40 Conditioner solution when not in use.

Control Replenishment

Chemical Additions	Add 1 Gallon Of DM-40 Per 1,000 Ft ²
Bath Life Expectancy	3,000 - 4,000 Ft ² Of Work Processed Per Gallon Of Operating Bath. Discard Once Monthly.

NOTE: Make up for evaporation with fresh DM-40 solution. Never add water!

Safety and Handling

Read and understand this products MSDS before handling.

Waste Treatment

Individual users should verify the nature of spent solutions to assure compliance with local, state, and federal regulations. Contact Seacole for specific details and/or further waste treatment recommendations.

Ordering Information

ACTI/Plate DM-40 is available in 5 gallon pails and 55 gallon drums.

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