

Target AB42

Acid Activating Salts for Electroplating

- Description** A blend of dry acid salts, activators and surfactants, developed to replace most of the conventional liquid acids used prior to electroplating operations.
- Features**
- Replaces most of the conventional liquid acids used prior to electroplating, such as hydrochloric, sulphuric and hydrofluoric acids.
 - Safer and easier to use than conventional acids.
 - No acid fumes.
 - Produces cleaner, smut-free surfaces on a wide variety of base metals.
 - Provides a brighter electroplated deposit with improved adhesion.
 - Can be used on steel, copper, brass, zinc diecast and aluminium.
 - Can be used for non-electrolytic chromium stripping operations.
 - Has longer service life than liquid acids, with greater tolerance to oil contamination.
 - No foaming.
- Product Code** TARG/AB42
- Equipment** The Target AB42 tank and water rinse tanks should ideally be made of stainless steel, or lined with polypropylene or rigid PVC. They can however be made of steel.
- Initial Fill** Target AB42 is normally operated at ambient temperatures. Higher temperatures will be needed to remove heavy soils and rust. Target AB42 must be dissolved in HOT water.
- Application** A general process sequence is:
1. Alkaline clean with e.g. Target AB10 (**TARG/AB10**). The optimum cleaner depends on the substrate and the process of application (soak/electrolytic).
 2. Water rinse.
 3. Alkaline electroclean - Target AB35 (**TARG/AB35**).
 4. Water rinse.
 5. Target AB42 dip for 10 – 60 seconds.
 6. Cold water rinse.
 7. Proceed to subsequent chemical treatment.

Note: Air agitation will improve results.

Control Points

	Steel	Copper	Brass	Z.B.D.C	Aluminium	Chromium Stripping
Concentration (g/L)	100 - 200	50 - 100	50 - 100	25 - 100	100 - 200	100 - 200
Temperature	Ambient	Ambient	Ambient	Ambient	20° – 80°C	20° – 80°C
Time (sec)	15 - 20	10 - 60	10 - 60	10 - 30	15 - 45	10 - 30

Agitation: Mild air / gentle mechanical.

TECHNICAL DATA SHEET

Target AB42

Acid Activating Salts for Electroplating

Analytic Control	<p>Pipette 25 ml aliquot into a conical flask. Dilute with 25 ml of demineralised water. Add 3 - 4 drops of phenolphthalein indicator. Titrate with 1M sodium hydroxide. Colour change is from colourless to permanent pink.</p> <p>Each ml required x 5.56 = concentration in g/l.</p>
Rinsing	<p>Rinse the work thoroughly in water in a tank, ideally fitted with a weir and continuously overflowed with mains water.</p>
Shelf Life	<p>2 years from date of manufacture when correctly stored in unopened bags.</p>
Storage	<p>The product should be stored in cool, dry, frost-free conditions, in sealed containers.</p>
Health & Safety	<p>Refer to the product's Safety Data Sheet and safety advice on the product label before use.</p>
Technical Support	<p>For technical support in using this product, please contact: e: birminghamtech@trimite.com, or t: 0121 554 7000.</p>
Date of Issue	<p>Nov 2021.</p>

Information provided in this leaflet is given in good faith but without warranty or assumed liability, as the conditions of application and use are beyond our control. Data are accurate to the best of our knowledge at the time of issue but may be revised in the light of new knowledge and the user should check that data are current before use. The user must satisfy themselves about the product's suitability for their own purpose and refer to the Safety Data Sheet for this product before use. For industrial use only unless specifically stated otherwise.