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NLI 116278

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SOLDERS

FOR TIGHT, STRONG
LASTING METAL JOINTS



REGISTERED TRADE MARK OF
NATIONAL LEAD COMPANY
OFFICES IN PRINCIPAL CITIES

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Dutch Boy SOLDERS for all metals



SOLID WIRE SOLDER

This form of solder is preferred for use where a separate flux is applied to the work before soldering. Depending on the kind of flux used, solid wire solder may be employed for joining almost all solderable metals. *Dutch Boy* Solid Wire Solder is available in numerous standard compositions and in many standard sizes. A popular item is the 1/2" diameter 20-25 grade. Packaged in 1 lb., 5 lb., and 25 lb. cans.

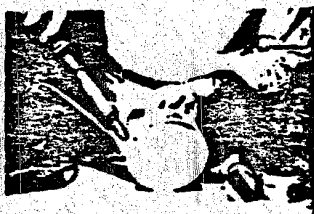


Illustration shows the application of solid wire solder to a metal joint. The solder is applied to the work before soldering.



Dutch Boy

ACID CORE WIRE SOLDER

This flux-core wire solder is widely used on work of a non-electrical nature which calls for instantaneous application of flux and solder. Although this solder may be obtained in a wide range of tin-lead combinations, wire diameters, etc., the type usually stocked by the trade is the 1/2" diameter, 60-40 composition, with a general purpose acid flux core. Packaged in 1 lb., 5 lb., and 25 lb. cans.



Illustration shows the application of acid core wire solder to a metal joint. The solder is applied to the work before soldering.

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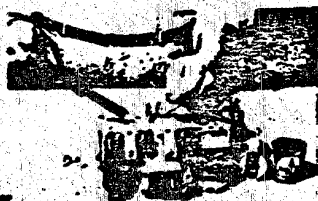
Joining, sealing and filling needs



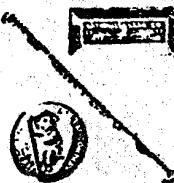
Dutch Boy.

ROSIN CORE WIRE SOLDER

For electrical work the ideal solder is "Dutch Boy" Rosin Core Wire Solder. The flux is non-corrosive and non-conductive. The 3/32" diameter, 60/40 grade is most popular, although the 1/16", 50/50 grade is preferred by many for radio, TV, auto and other electronic applications. All sizes and grades melt promptly, flow readily. Furnished in 1 lb., 5 lb. and 25 lb. spools.



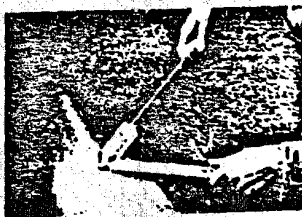
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Dutch Boy.

BAR AND INGOT SOLDERS

National Lead Company producing wide variety of bar and ingot solders. Typical uses of the bar form are soldering seams in galvanized iron ducts and clamping and soldering joints in metal roofing. Bars weigh from 1/2 lb. to 1 1/2 lbs. and are available in many tin-lead grades. "Dutch Boy" ingot solders are widely used by plumbers, radio amateurs and others to melt the solder in heated pots and pour the solder on the joint to be "soldered". Two standard ingots are the 2 lb. round and the 3 lb. rectangular. Both are made in numerous grades.



Soldering seams (especially galvanized iron) with "Dutch Boy" Flat Bar Solder on galvanized iron ducts and clamping and soldering joints in metal roofing. Bars weigh from 1/2 lb. to 1 1/2 lbs. and are available in many tin-lead grades.

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Dutch Boy. Fluxes help produce tight, strong, lasting joints



While a flux is only an "accessory" to the soldering operation and does not actually become a part of the completed joint, it is as important as the solder itself. Without the proper flux and its correct application, it is virtually impossible to produce a tight, strong, lasting soldered joint.

"Dutch Boy" Fluxes (formerly called "Nakvo") remove oxide films, provide good heat transfer and promote proper "wetting" of the metals being soldered. In addition, the fluxes are supplied in various forms for easy and economical application.

The "Dutch Boy" line includes a flux for virtually every soldering application. Of the few above-mentioned fluxes, those described here are of general interest.

"Dutch Boy" Flux No. 303

This flux (formerly Nakvo No. 1) is an acid-free but corrosive type flux for use on copper, brass, steel, tin and type plate. It is a general purpose flux for plumbing, refrigeration, air conditioning and other applications where a "strong" flux is needed and where residue can be removed. Sold in pints, quarts and gallons.

"Dutch Boy" Flux No. 320

This flux (formerly Nakvo No. 12) is put up in the form of a salt-water paste. Because it is of the type usually termed non-corrosive, it is used on electrical work as well as in plumbing and in tinning. After the solder solidifies, this flux leaves on the joint a film of paraffin which acts to protect against moisture and dampness. Sold in 2 oz., 4 oz., 1 lb. and 25 lb. containers.

"Dutch Boy" Flux No. 340

This flux (formerly Nakvo No. 2) has been formulated for work on stainless steel which is more difficult to solder than copper, brass and iron. For example, Number 340 Flux is able to remove the tough oxide film found on stainless, and to etch or slightly roughen the areas to be soldered. Sold in pints, quarts and gallons.

"Dutch Boy" Flux No. 345

This flux (formerly Nakvo No. 2) is recommended especially for soldering galvanized iron. As is well known, zinc is detrimental to solder and in the solder "interference" formed in the metal-joining operation. This flux, being very active, will remove the zinc coating, thus permitting the solder to adhere to the base metal. Sold in pint, quart and gallon containers.

Here's a Solder Paint that saves time and money

In joining copper and brass tubing, "Dutch Boy" Solder Paint No. 403 (formerly Nakvo No. 11, Acid Solder Paint) is solder in its handiest form for many jobs. It can be applied right from the can with brush or spray. Only a little is needed to make a sound joint.

This solder paint is a homogeneous combination of a flux, powdered tin-lead solder (usually 60-40) mixed with a highly active acid flux. It has the consistency of heavy cream. Overcoating the flame of a blow torch to the joint melts the solder which bonds the fitting to the pipe. Any flux residue may be wiped off with a wet, lint-free cloth, before joint.

"Dutch Boy" Solder Paint No. 403 is a real time and labor saver for all pipe soldering operations and for use in tinning bearing shells and for tinning areas to be solder-fitted to securely repair work. Mixed with a torch, it quickly forms a hard, smooth, tough surface to which solder and solder will easily adhere.

"Dutch Boy" Solder Paint No. 403 is put up in 1/2 lb. and 1 lb. tin cans.



Left: Applying "Dutch Boy" Solder Paint to outside end of pipe before fitting. Right: Soldering in place and joint is sound. Soldering is finished in time and joints are sound. Soldering is finished in time and joints are sound. Soldering is finished in time and joints are sound.

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