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WARNING:

**This chemical is formulated
for industrial use only**

Contact with skin or clothing or other improper handling or use of this product may result in bodily harm or other damage. Before using or mixing the contents with other substances, all labels applied to container, the applicable Technical Data Sheet and Material Safety Data Sheet should be read and specific instructions and precautions followed to assure correct use and personal safety.



EASY PHOS A402

INTRODUCTION

EASY PHOS A402 is a one stage degreasing and phosphating system formulated as a pre-paint treatment for steel, galvanized steel and aluminium. No heating is required to the solution and it can be applied using a simple dip operation or manually using a spray gun. EASY PHOS A402, when dry, protects the surface from fingerprints, rust, etc., during temporary indoor storage (usually for six months or more.)

EASY PHOS A402 performs a conversion of the metal surface by the deposition of a phosphate layer, which is sealed by a purpose-formulated organic polyphosphate. Most solvent based paints used to coat steel and/or aluminium are compatible with EASY PHOS A402.

PROCESSING DATA BY DIP

Plant Station	Purpose	Time	Temp C
Treatment	Removal of oily and fatty contaminants and deposition of purpose-designed phosphate layer.	60-90sec	ambient
Drain	Physical Liquid Drainage	2 min apx	ambient
Drying-Blow-off	Forced Liquid Drainage with cold air	8 min apx	ambient
TOTAL	TOTAL	11min approx	
Filtering Unit	continuous filtration of solution; elimination of solid impurities from the liquid.		
Additional equipments	1 burner to produce warm air at 80°C in case a Warm Drying-Blow-off has to be performed		

● *Bringing the Best Products to the Surface* ●

Disclaimer: All statement, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. No statement or recommendation shall constitute a representation unless set forth in an agreement signed by officers of seller and manufacturer. NO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. The following warranty is made in lieu of such warranties and all other warranties, express, implied or statutory. Products are warranted to be free from defects in material and workmanship at the time sold. The sole obligation of seller and manufacturer under this warranty shall be to replace any product defective at the time sold. Under no circumstances shall manufacturer or seller be liable for any loss, damage or expense, direct or consequential, arising out of the use of or inability to use the product. No suggestion for product use or anything contained herein shall be constructed as a recommendation to use any product in infringement of any patent rights and seller and manufacturer assume no responsibility or liability for any such infringement. We recommend prospective users determine the suitability of this product through independent testing before adopting on a commercial scale.

IMPORTANT: All data refers to the treatment of flat and smooth surfaces where no liquid retention is expected. If there are any pockets or folds from which the liquid cannot be drained easily, longer treatment time should be considered.

PROCESS DATA BY SPRAY OR BRUSH

A. Solvent degrease with FASTWYPE

B. Coat with EASY PHOS A402

C. Dry

Note: If the work is cleaned in an aqueous medium, it must be rinsed then dried before contact with EASY PHOS A402.

PHYSICAL AND CHEMICAL DATA

Appearance	clear and yellowish liquid
Odour	aromatic
Specific gravity (water = 1)	0.86 +/- 0.05 at 20 deg Celsius
pH	2.0 - 4.0 approx
Flashpoint deg C	>24 deg C - Abel - class All
method class	

PROCESSING DATA

Application Method	Dip
Treatment time	60-90 seconds at room temperature
Action	Degreasing and Phosphating
Metal conversion	Ferro-Organic Phosphating
Salt spray resistance	>200 hours
Temporary protection	Several weeks
Thermal stability in combination with topcoats	Up to 200°C for short exposures

**ECONOMICAL DATA CHEMICALS ANALYSIS
MAINTENANCE.**

Expected consumption of Chemicals	1lt- 30sqm 1 lt of ready to use solution treats 30 sqm of surface.
Daily analytical controls	none
Periodical Analytical Controls	every 2 months
Cost for Effluent Treatment	none
Cost for Waste Disposal	none
Cost for Energy	none- no heating of tanks
Cost for general maintenance	very limited

(1) Average expected yield in case of treatment of flat and smooth surfaces where no liquid retention is expected. If there are any pockets or folds from which the liquid can not be drained easily, higher consumption should be considered.

ECONOMICAL DATA EQUIPMENTS VS ENERGY CONSUMPTION.

<u>Plant station</u>	<u>Equipments</u>	<u>Energy installed</u>
Treatment	1 filtering pump	1.5 kw approx
Drain	1 extraction/ aspiration fan	4 kw approx
Drying-Blow-off	1 blower-cold or warm air at 80°C	4kw + Energy required to generate warm air at 80°C
Other equipment	None	no

IMPORTANT: All data may vary depending upon the type of plant installed and the characteristics of the components which have to be treated.