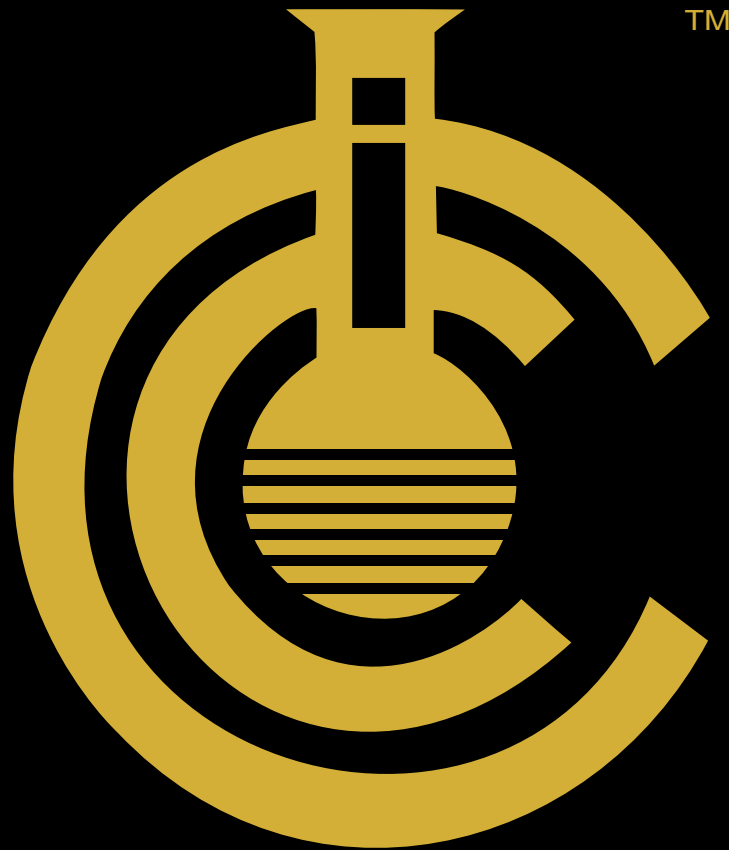


Everything in Chemicals

SINCE 1965



MANUFACTURERS OF:



**METAL PRE-TREATMENT
CHEMICALS**



**PROTECTS LUBRICATES
BONDS DECORATES**

Carvan Chemical Industries[©]

An ISO Company



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Mfg. Metal Pre-Treatment Chemicals

Admin Office: I.B. Patel Road, Nirmal Rubber & Board Compound, Goregaon (E), Mumbai - 400 063.

Tel.: +91 22 2685 3265 / 2685 3266. • Mobile: +91 9820000454 • Fax: +91 22 2685 3268

Email: carvan@carvanchemical.com • narensah@carvanchemical.com

Website: carvanchemical.com

COMPANY PROFILE

CARVAN CHEMICAL INDUSTRIES, company incorporated in 1965 by Mr.RAMESH SHAH (BSC) is having a very good experience and rich knowledge. Our customer spread all over india this has made us to produce finest products, most suitable to indian conditions.

The Point, which makes us proud in the market are:

- Consistent quality of Chemical makes us favourite in market.
- In-house Laboratory for testing raw materials and finished chemicals.
- Technical service given by team of chemical engineers.
- Carvan has a wide Distributors and Dealers network in India.
- In-house facility for salt spray testing, humidity cabinet testing, coating thickness, coating weight etc.

Carvan range consists of :

- Cold and Hot seven stage phosphating chemicals.
- Types of single stage phosphating chemicals (3 in 1 chemicals)
- Rust preventives

Speciality chemicals like:

- Aluminum Cleaner.
- Paint Remover.
- Emulsified Degreaser.
- Glava-Grip, (for galvanized sheet)
- Brass-Copper Cleaner.
- Pipe and Tube Cleaners.

PRE - TREATMENT CHEMICALS:

The quality of the surface treatment prior to painting, determines the performance of a coating system to a large extent. The job of cleaning the surface and giving it a microcrystalline phosphate coating is done by the surface process. A significant enhancement in the adhesion, corrosion resistance and durability of subsequent paint coating is made by the surface treatment process and thus it becomes an important prerequisite in surface coatings.





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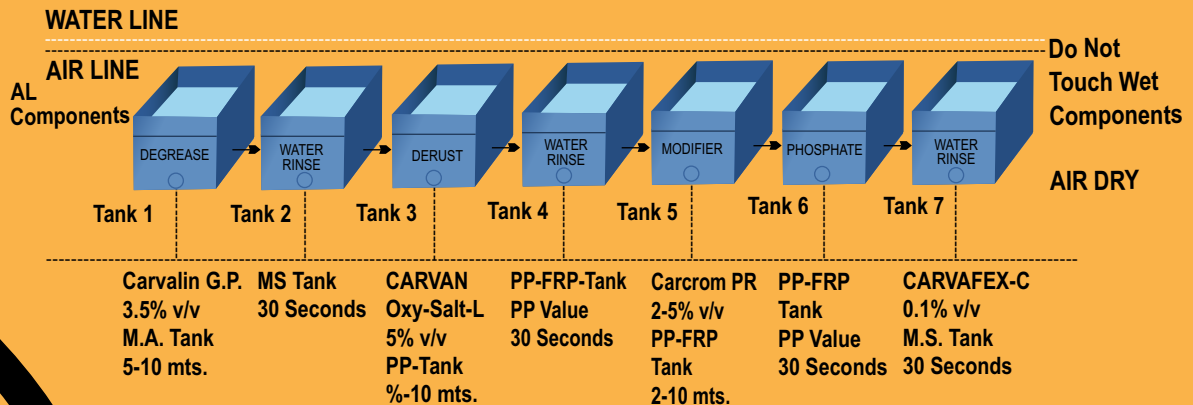
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ALUMINIUM TREATMENTS

CHROMATISING CHEMICALS

Chromatising chemicals are used for pretreatment of aluminium before painting/powder coating, Chromatising process imparts amorphous coating on aluminium, which serves as excellent base for paints.



Uses: Ideal for fan Blades, Water filters, Fluorescent Fixtures of aluminium. Aluminium sections and other aluminium components before painting / powder coating.

PRODUCTS :

Carcrom P.R(Y) :
Chromium Oxide Coating,
golden yellow in colour

Carcrom P.R (G) :
Chromium Phosphate,
Coating, green in colour.

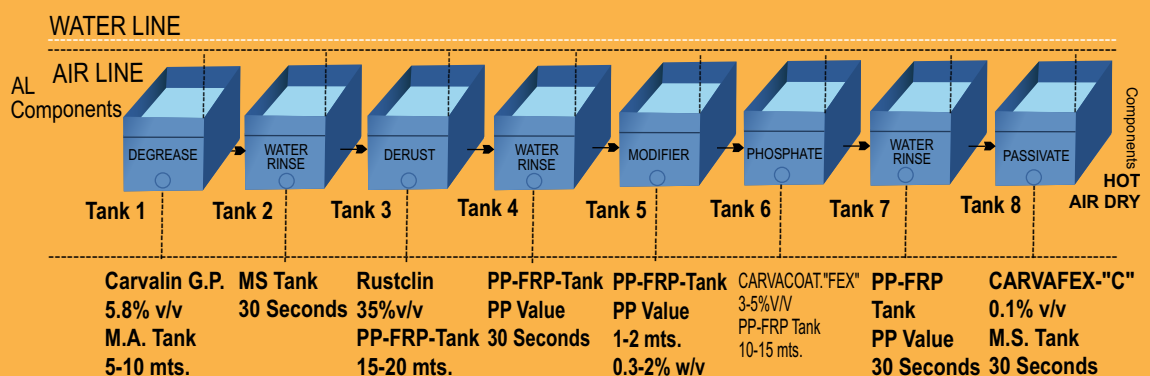


MILD STEEL TREATMENTS

PHOSPHATE CONVERSION COATINGS

TYPICAL PHOSPHATE TREATMENT SEQUENCE (IMMERSION)

(7 or 8/9 Tank Process Before Powder coating / Painting)



STAGE 1 : DEGREASE (FERROUS METALS & ALLOYS) ALKALINE DEGREASERS (IMMERSION TYPE)

PRODUCTS	RECOMMENDED USE	USE PARAMETERS
CARVACLIN - PD	Sequesters; low foaming; quickly removes grease, oils, carbonaceous deposits.	5% w/v Hot 80-90°C 10% w/v Low Temp 50°C
CARVACLIN - G.P	Heavy duty; inhibited; sequesters; low foaming; quickly removes grease, oils, carbonaceous deposits, engine varnish, drawing compounds, paints, rust preventives, loose rust and water scale.	5% w/v Hot 80°C 8-10% w/v Cold.
CARVACLIN-OL	Emulsifier; effectively removes suspended oil; rejuvenates degreasing bath, improve degreasing considerably.	0.1% v/v of bath.

STAGE 3: DERUSTERS (FERROUS METALS & ALLOYS)

PRODUCTS	RECOMMENDED USE	USE PARAMETERS
RUSTCLIN	Inhabited; low foaming; removes rust, light oxides, smut, other soils; ideal for mass finishing.	25% to 40% v/v Room temp or 50°C
CARSCALE	Inhabited; low foaming; removes heavy rust, mills scale, other soils	25% to 33% v/v Room temp.
RUSTCULIN-Z	Inhabited; low foaming; removes rust, scale uniformly with our attacking base metal.	25% to 40% v/v Room temp
STEELCLIN	Chemical composition for clearing & pickling of stainless steel.	25% to 40% v/v Room temp

STAGE 5: MODIFIER (OPTIONAL)

PRODUCTS	RECOMMENDED USE	USE PARAMETERS
CARVAN ACTIVATION	Added to water rinse prior to phosphating for development of compact crystal structure.	0.3% to 2% w/v of bath

STAGE 6: PHOSPHATING CHEMICALS (PAINT BASE COATINGS)

PRODUCTS	RECOMMENDED USE	USE PARAMETERS
CARVACOAT-XX-11	Zinc phosphate, calcium modified; economical; compact crystal structure; confirming to class 'CIS': 3618	3% v/v 70°C 10mts.
CARVACOAT-FEX	Zinc phosphate; compact crystal structure, economical, confirming to class 'B' and class 'CIS': 3618.	4% v/v Room Temp 10-15 mts.
CARVACOAT-X	Zinc phosphate, chlorate accelerated; high corrosion resistant crystal coating; easy control; confirming to class 'C' IS: 3618	5% v/v Room Temp 10-15 mts.
CARVACOAT-SP	Degreasing and iron phosphate coating simultaneously by warm spray application.	3% to 4% v/v. Room Temp

FOR WIRE AND TUBES

STAGE 7: WIRE AND TUBE DRAWING PHOSPHATING CHEMICALS

PRODUCTS	RECOMMENDED USE	USE PARAMETERS
CARVAN ZLP-PB 110	Used for phosphating of tubes which helps to retain lubricating products and facilitates drawing.	3 to 5% v/v Hot 70°C 5-15 mts.
CARVAN ZLP-PB 210	Used for phosphating of tubes which helps to retain lubricating products and facilitates drawing.	5% v/v Hot 70°C-80°C 5-15 mts.

FOR AUTO PARTS AND HARDWARE

STAGE 8: HEAVY PHOSPHATING (CORROSION RESISTANCE)

PRODUCTS	RECOMMENDED USE	USE PARAMETERS
CARVACOAT "XX"	Heavy Zinc phosphate coating for nut, bolts, auto parts; for excellent corrosion resistant coating to be sealed with dewatering oils; confirms to IS 3618 Class A.	3% v/v 75°C 10 mts.
CARVACOAT "FE"	Heavy manganese phosphate coating for rotating parts like gears, shafts, rotating wheels etc, this phosphate coat has oil retaining properties; confirm IS 3618 Class A.	4% v/v Room Temp 10-15 mts.

STAGE 9: PASSIVATION

PRODUCTS	RECOMMENDED USE	USE PARAMETERS
CARVAFIX-IF	POWDER PASSIVATION Chemical	0.50% v/v in 70°C.
CARVAFIX-C	Liquid form Passivation Chemical	0.1% in cold.

SPECIALITY CHEMICAL

PRODUCTS	RECOMMENDED USE	USE PARAMETERS
CARCROM-Z	It provide a base for paint application on the surface conversion coating to zinc components	25-33% v/v in cold
BRACUCLIN	Cleaning and brightening of Brass, Copper and other bimetallic components	25-33% v/v Immersion Cold 10-20 mts.
GALVA GRIP	Phosphating of GL sheets in single stage, mainly for airconditioner cabinets	25-33% v/v Immersion Cold 10-20 mts.
SCALE REMOVERS	Removal of hard deposit of scale from boiler and heat exchanger tubes.	10%-to 20% v/v in water circulate
EMULSIFIED DEGREASERS	Removal toughest grease deposits ideal for replacement of alkaline degreasers	25% to 33% v/v Cold 10 to 20 mts.
ALCLIN	Alkaline Itching powder for aluminium sheets or parts.	5% to 8% in Water
ALCLIN (L)	Specially for Aluminium vessel by one operation	25% to 33% in Water

3 IN 1 CHEMICAL CLEANERS (IRON PHOSPHATE)

PRODUCTS	RECOMMENDED USE	USE PARAMETERS
CARVACOAT-XXP(W)	For medium greases and medium rust; mainly for control panels electrical instrument boxes, fluorescent fitting etc.	Immersion or Brush 25% to 50% v/v COLD.
CARVACOAT -WP	For heavy grease and light rust; mainly for steel furniture slotted angels, drums, buckets, etc	Immersion or Brush 25% to 50% v/v COLD.
CARVACOAT XXP(G)	For more rust and light grease; mainly for CL or forget componets, treatment before powder coating, hardware items, angels, beams etc.	Immersion or Brush 25% to 50% v/v COLD.
CARVACOAT XXP(SP)	For hard grease and light rust; mainly for pipes, engines, other heavily greased articles.	Immersion or Brush 25% to 50% v/v COLD.

INHIBITORS (MINERAL ACID ADDITIVE)

PRODUCTS	RECOMMENDED USE	USE PARAMETERS
CARVAN AH-40	For Hydrochloric acid; selective removal or rust, scale without attacking base metal.	1/2 % v/v of pure acid
CARVAN AH-50	For Sulfuric acid; selective removal or rust, scale without attacking base metal.	1/2 % v/v of pure acid



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