



Product at a glance

REGISTERED OFFICE :

420/1 G.T.Road, Serampore-712202,
Dist. : Hooghly, West Bengal, India.

Tel. +91 93310 40431, 8017567932

Website : www.chemcoat.in

e-mail- metacoat@gmail.com

WORKS :

SARDAR PARA, CHHOTO-BELU, P.O.- BELU-MILKY,
SERAMPORE, DIST. – HOOGHLY, PIN-712223

DEGREASING



Product Name	Description	Mode of Application	Working Concentration %	Working Temperature °C	Processing Time (Minute)	Remarks
METACLEAN-10	Room temperature alkaline degreasing chemical for ferrous & non-ferrous components	Dip	2-6	Ambient	3-15	
METACLEAN-11	Low temperature long-life alkaline cleaner for ferrous components	Dip	3 - 5	45-80	3-15	Normally used at 50 °C , but may also be used up to 80 °C
METACLEAN-15	Heavy duty alkaline spray cleaner . Very much suitable for continuous line.	Spray	2 - 6	50-65	2-10 sec for continuous line/ 60-180 sec for conventional line.	
METACLEAN-16	Non-caustic , alkaline degreaser . Very much suitable for non-ferrous components.	Dip	3 - 5	50-70	3-15	
METACLEAN-20	Non-fuming long-life aluminium etchant, used prior to anodising.	Dip	4.5-6.0	45-65	3-10	
METACLEAN-MK-20	Low cost long life alkaline immersion cleaner for ferrous & non-ferrous components	Dip	3 - 5	55-75	3-15	
METACLEAN-58LT	Low temperature long-life alkaline cleaner for ferrous components	Dip	4-6 for Ferrous & 1.5 for non-ferrous	40-60	3-3	Polarity Anodic/ Cothodic



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Product Name	Description	Mode of Application	Working Concentration %	Working Temperature °C	Processing Time (Minute)	Remarks
METACLEAN-100	Heavy duty, alkaline, low foaming spray cleaner . Ideally suitable for continuous spray cleaning line of M.S sheets.	Spray	2.0-5.0	45-70	3-15 sec for continuous line /45-180 sec for conventional line.	
METACLEAN-211	Solvent based mildly alkaline emulsion cleaner suitable for single stage spray washing machine.	Spray	2.5-5.0	30-65	1-5	Does not require any post water rinse.
METACLEAN-214	Solvent based degreasing derusting cum phosphating agent	Spray / Dip	4 - 5	30 - 75	1-3 min for spray ./ 5-15 min for dip.	Offers an iron phosphate coating & does not require any post rinse.
METACLEAN-635L	Strongly alkaline chelated cleaner for cleaning S.S filter elements , candles , spinnerates for polyester film industries.	Dip	8-15	50-90	2 hrs or more	Processing time depends on degree of contamination
METACLEAN-735	Strongly alkaline chelated cleaner for cleaning S.S filter elements ,candles , spinnerates for polyester film industries.	Dip	1.5-2.5	50-90	2 hrs or more	Processing time depends on degree of Contamination

DERUSTING



Product Name	Description	Mode of Application	Working Concentration %	Working Temperature °C	Processing Time (Minute)	Remarks
RUST KILLER-160	Phosphoric Acid based derusting chemical used prior to Phosphating / Electroplating	Dip	10 - 20	Ambient to 60	5-15	
RUST KILLER-170	Acid based inhibited derusting chemical used prior to Phosphating / Electroplating	Dip	10-25	Ambient to 60	5-15	
RUST KILLER-250	Phosphoric Acid based strong derusting agent used prior to Phosphating / Electroplating	Dip	10-20	Ambient to 60	5-15	
RUST KILLER-625	Organic acid based product used as a strong spot derusting agent prior to degreasing / phosphating.	Brush	As such	Ambient	--	

WIRE \ TUBE DRWING

PHOSPHATING CHEMICAL

Product Name	Description	Mode of Application	Working Concentration %	Working Temperature °C	Processing Time (Minute)	Remarks
METACOAT-6	Nitrate-Nitrite accelerated Zinc Phosphating chemical for wire-drawing	Dip	3.5-4.5	60-65	10 - 15	Coating weight 750-1500 mg/sq.ft.
METACOAT-22	Nitrate-Nitrite accelerated Zinc Phosphating chemical for tube-drawing	Dip	3.0-3.5	65-75	5 - 15	Coating weight 500 - 800 mg/sq.ft.
METACOAT-37 METACOAT-370	Nitrate-Nitrite accelerated two pack Zinc Phosphating	Dip	5-6	70-75	3-10	500-900 mg/sq.ft Under continuous loading condition , regular addition of toner is not required.
METACOAT-48 METACOAT-480	Chemicals for coating & subsequent drawing of S.S wire & tube.	Dip	10% 1.5%	80 - 90	5 - 30	

PHOSPHATING CHEMICAL

Product Name	Description	Mode of Application	Working Conc. %	Working Temp. °C	Processing Time (Mins)	Remarks
METACOAT-3	A brush-on-wash-off chemical to increase paint adhesion on zinc surface	brush	As such	Ambient	1-2	
METACOAT-20	Zinc calcium pre-paint phosphating chemical.	Dip	3 - 4.5	65 - 75	3 - 8	Coating weight 200-450 mg/sq.ft.
METACOAT-31	A 3-in-1 chemical for removing oil / grease, rust & producing thin iron phosphate coating on M.S components.	Brush-On-Wipe off / Dip	Brush 30-100% Dip 20-50%	Ambient to 50	2 - 10	
METACOAT-33	A conc. 3-in-1 chemical for removing oil / grease, rust & producing thin iron phosphate coating on M.S components.	Brush-On-Wipe off / Dip	Brush 30-100% Dip 20-50%	Ambient to 50	2 - 10	
METACOAT-39	Nickel modified heavy weight Zinc phosphating chemical.	Dip	3-5	70-85	5-15	Coat. Wt. > 750 mg/sq.ft meets IS 3618:1966 Class A2
METACOAT-40S	Heavy duty, single pack, Zinc phosphating chemical	Dip	3 - 5	75 - 85	5 –15	Coating weight more than 750 mg/sq.ft meets IS 3618:1966 Class A2
METACOAT-41	Heavy duty Zinc phosphating chemical for dark grey to black coloured coating.	Dip	3.5 - 4.5	75 - 85	10 - 15	Coating weight more than 750 mg/sq.ft meets IS 3618:1966 Class A2
METACOAT-42	Medium to heavy weight Zinc phosphating chemical for steel surfaces.	Dip	5-10	70 - 75	5 - 10	Meets specn. WPN/GEN/3 : 1965 & IS 3618:1966 Class B



Product Name	Description	Mode of Application	Working Concentration %	Working Temperature °C	Processing Time (Minute)	Remarks
METACOAT-47	Tricationic pre paint phosphating chemical.	Dip	3 - 5	40 - 55	4-8	Suitable for M.S , Zinc & electrogalvanised components. Also Suitable prior top ED primer.
METACOAT-51	Spray iron phosphating chemical	Spray	2 - 3	Ambient to 65	1.5-3.0	Degreasing & phosphating in single operation. Suitable for Barrel Industry.
METACOAT-55	Room temperature zinc phosphating chemical	Dip	5-6	Ambient	12-20	Smooth prepaint phosphate coating used prior to liquid and powder paint.
METACOAT-100	Tricationic spray phosphating chemical .	Spray	3.3-4.7	35-55	1.5-3.0	
METACOAT-111	Heavy weight manganese phosphating chemical .	Dip	4-6	90-100	8-30	Suitable for movable parts like shaft ,gear etc.



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ALCOCHROMING CHEMICALS

Product Name	Description	Mode of Application	Working Concentration %	Working Temperature °C	Processing Time (Minute)	Remarks
ALCOAT-150	Clear chromate coating for aluminum.	Dip / Brush / Spray	0.1 - 0.2	Ambient	30 - 120	This colourless coating with high corrosion resistant serve as a base for paint , lacquers & rubber bonding.
ALCOAT-402	Golden colour oxide chromate coating for aluminium & aluminium die cast.	Dip / Spray	2.5 -3.0	Ambient to 40	1 - 3	It provides excellent protection for unpainted aluminium & bonds paint wall
ALCOAT-501-51	A two pack bluish green phosphate - chromate coating chemical for aluminium.	Dip	4.4(501) 0.34(51)	Ambient to 50	30 sec to 4 min.	It provides excellent protection for unpainted aluminium & bonds paint wall

PASSIVATION CHEMICAL

Product Name	Description	Mode of Application	Working Concentration %	Working Temperature °C	Processing Time (Minute)	Remarks
CHROMODITE-5Y	Golden yellow chromate passivation for Zinc & cadmium.	Dip	1.5 - 2.0	20 - 35	5 - 30 sec.	
FOSSEAL-10	Hexavalent chromium based passivation chemical used after phosphating to increase paint life.	Dip / Spray	0.025 - 0.050	Ambient to 70	20 - 60 sec	
CHROMODITE C-48	Clear protective chromate conversion coating on continuous galvanised strips.	Dip	3 - 5	Ambient to 80	1 sec or more	
CHROMODITE-86	Trivalent chromium based passivation chemical used on phosphating coating.	Dip / Spray	0.4-0.5	Ambient to 60	.0.3-1.0	
CHROMODITE-114B	Blue colour chromate passivation on Zinc & cadmium surface.	Dip	0.3 - 0.4	Ambient	5 - 25 sec	Suitable for Cyanide Zinc , Acid Zinc , Zinc die cast. This protects the components from corrosion & discolouration.
CHROMODITE-180	Clear chromate passivation for silver.	Dip	1 - 2	Ambient	30 - 120 sec	Produces clear , colourless , tarnish resistant chromate film without any dimensional change on silver.
CHROMODITE-680	Oliv green chromate conversion coating on zinc plating.	Dip	10 - 20	20 -35	30 - 120 sec	



MISCELLENIOUS

Product Name	Description	Working Conc %	Working Temperature °C	Processing Time (Mins)	Remarks
METALUBE	Lubricant for cold drawing of metals like M.S., Aluminium, Brass, Copper etc	2-6%	65-75	2-5	
COLD SEALER-25	Cold sealent for anodised aluminium.	0.4 - 0.7	Ambient		
PSP-40	Additive for caustic bath used prior to anodising.	PSP 40-2% NaOH - 4%			It offers uniform etching, minimise the sludge and maintain it in soft form. Reduce the NaOH consumption.
PS- 01	Solvent based paint stripper.	As such			
METAFIX-176	Titanium based surface conditioner prior to Zinc phosphating.	0.3-0.4	Ambient	0.5-1.0	Used for Phosphate grain refining
METAFIX-177	Titanium based surface conditioner prior to Manganese phosphating.	0.3-0.4	Ambient	0.5-1.0	Used for Phosphate grain refining