CMP45 Resin Series
Copolymer of Vinyl chloride and Vinyl Isobutyl Ether

CAS NO. 25154-85-2

Properties

iSuo™ CMP resin is a good type of chlorinated binder and developed for printing ink and heavy anticorrosive paint.

Specification

Item	Standard				
Type NO.	CMP15	CMP25	CMP35	CMP45	CMP60
Appearance	White powder				
Viscosity mPa.s at 23℃ in 20% solution in toluene.	15±5	25±5	35±5	45±5	60±5
Chlorine content %	44±1				
Moisture content %	0.5 max				
Bulk Density g/ml	0.3 min				

Application

Be used for anti-corrosive paint, printing ink, steel structure paint, wall paint, road marking paint, building anti-fire paint, light metal coating, deck paint, boat, container paint, engineering paint for machine & automobile, concrete & asbestos cement, etc. It can be used as modifier in rubber & plastic industry as well.

CMP15 is applied for thick-form paint, as it remains well under the condition of acid & alkali. It can be applied to alkali based material, such as asbestos, concrete and brick, so it could be mixed in paint for swimming pools, construction, bridges and road marking.

CMP25 is applied for heavy anti-corrosive paint extensively. The structure of the product makes it bonding easily. It can be applied in the paint which is used under the dry-air condition and physical dry condition, such as steel structure, container paint, marine and industrial anti-corrosive paint.

CMP35 is thicker than CMP25 and the usage is same as CMP25. Especially for the anticorrosive paint used under ocean climate. It also can be used for anti-corrosive paint for light metals, such as aluminum and zinc.

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CMP45 is especially good for making solvent type of gravure ink and plastic composite ink (OPP & PE).

CMP-60 is used for special ink or metal adhesive.

Advantage

Good anti-corrosion ability

iSuo™ CMP chlorinated resins offer good bonding property as a result of their special molecular structure, in which ester bond is resistant to hydrolysis and combined chlorine atom very stable. Thus they can be used to produce high quality paint with good water resistance, salt resistance and chemical resistance.

Good stability

No reactive double bond, so iSuo™ CMP chlorinated resins are not easily being acidized and degraded. The molecules are also with excellent light stability and won't turn yellow or atomize. The existence of each bond gives the molecule good internal plasticization. So the resins are flexible enough and additional plasticizer is not required. Also they will not gradually crack causing by migration of plasticizer.

Good adhesion

They contain copolymer of vinyl chloride ester which ensures paint good adhesion on various material. Even on the surface of aluminum or zinc, the paint still has good adhesion.

Good compatibility

iSuo™ CMP chlorinated resins are compatible with vinyl chloride copolymer, poly-acrylate, unsaturated polyester resin, maleic alkyd resin, cyclohexanone resin, aldehyde resin, coumarone resin, hydrocarbon resin, urea resin, alkyd resin modified by oil and fatty acid, natural resin, plasticizer and bitumen. They can modify and improve the characteristics of paint which is mutated by drying oil, alkyd rein, tars and bitumen.

Fireproof ability

They contain chlorine atom which gives the resin fireproof ability. With addition of other flame resistant pigment, filler and fire retardant, they can be used in fire retardant paint for construction and other fields.

Solubility

iSuo™ CMP chlorinated resins are soluble in aromatic hydrocarbon, ester, ketone, glycol, ester acetate and some glycol ether. Aliphatic hydrocarbon and alcohol are diluent and not true solvents for CMP chlorinated resin.

Packing: Pack in 20kgs craft paper bag, 14mts/20'fcl without pallet or 12mts/20'fcl with pallet.

Storage & transportation:

Store in dry & ventilated warehouse. Don't store it in open air. Prevent sunshine & moisture. Avoid high temperature beyond 60°C. Avoid rain during transportation. It is not dangerous cargo.