MC-CSPE-3 Chlorosulfonated polyethylene anticorrosive primer

Product description

MC-CSPE-3 was formulated with chlorosulfonated polyethylene, modified resin, pigment and filler which can dry at room temperature and show good applicability. The formed film exhibits excellent resistance to water, cold and humid-dry cycling.

Recommended use

As primer suitable for use on petroleum chemical equipment, steel or concrete structures in moderately to severely corrosive environment, especially suitable for use on exterior of storage tank with acid, alkali and salt.

Recommended film thickness and spreading rate

Film thickness，dry(μm)	20～40
Film thickness，wet(μm)	60～125
Theoretical spreading rate，m^2/l	16 ～8

Basic characteristics

Color	oxide red and colors
Volume Solids，%	32± 2
Flash Point，℃	26 ± 2
Density (mix), g/ml	1.15±0.05
VOC，g/l	600 ± 10
Gloss	matt
Water resistance	Good
Chemical resistance	Good

Surface preparation

Bare steel:

Roughness: using abrasives suitable to achieve medium grade (ISO 8503-2).

Cleanliness: blast cleaning to min. Sa 2 ½ (ISO 8501-1)

Other surfaces:

The topcoat can be used on other substrates. Please contact our company for more information.

Condition during application

The temperature of the substrate should be at least 3℃ above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying.

Application methods

Spray: use airless spray or air spray

Brush: recommended for precoating or small area coating only, multiple coats may be required to achieve the specified film thickness.

Application data

Mixing agitate component A and component B respectively, and then mixed thoroughly

Mixing ratio（weight） A:B=10:1

Pot life（23℃）	8 hours (Reduced at higher temperature)
Thinner/Cleaner	MC-CX-1
Recommended airless spray parameters	
Usage of thinner	0～10%（weight）
Pressure at nozzle	15～20 MPa（about 150～200 kg/cm^2）.
Nozzle tip	0.4～0.5mm.
Spray angle	40～80°
Filter	Check to ensure that filters are clean.

Drying time

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

Good ventilation (Outdoor exposure or free circulation of air)

Typical film thickness

One coat on top of inert substrate

Substrate temperature，°C	5	10	23	40
Surface dry，h	3	2	0.5	0.3
Through dry，h	48	36	24	16
Dry to recoat, minimum，h	48	36	24	16

The given data must be considered as guidelines only. The actual drying time/ recoat interval may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. .

Typical paint system

Chlorosulfonated polyethylene anticorrosive primer 2×35μm

Chlorosulfonated polyethylene anticorrosive topcoat 3×30 μm

Other systems may be formulated, depending on specific condition.

Storage

Storage conditions are to keep the containers in a cool, dry, well ventilated space and away from source of heat and ignition.

Containers must be kept tightly closed.

Handling

Handle with care.

Packing size

Component A in an 18 litre container and component B in a 5 litre container, or negotiation.

Health and safety

Before and during use of this product, please observe the precautionary notices displayed on the container. Be careful to avoid inhalation and skin contact of paint. Spillage of paint on the skin should immediately be removed with a suitable cleanser, soap and water. Avoid using organic solvent. Eyes should be well flushed with water and then seek medical attention immediately. The product should be used under well-ventilated condition. If using in stagnant condition and narrow place, forced ventilation must be provided, and applicators should take corresponding measures to strengthen personnel protection.