

# Anupam Enterprises

## Protective Coatings Division

### Anuchlor 555 LB

#### Chlorinated Rubber Enamel

##### Product Description

**Anuchlor 555 LB** is a high performance coating based on plasticized chlorinated rubber and suitably pigmented for heavy-duty protection in severe moisture and chemical laden environments.

##### Features and Benefits

- Easy to apply and can be applied via airless spray, conventional spray and brush.
- While inferior surface preparation can never be recommended, **Anuchlor 555 LB** has shown to tolerate though with shorter life, power-tool and hand-cleaned steel.
- Renders hard, inert film showing excellent resistance towards dilute acids, alkalis, certain salts, oxidizing agents, aliphatic hydrocarbons, alcohols, mineral oils, greases etc.
- Has fast dry and spray re-coat times.
- Does not support mold and fungus growth.
- Can be used in conjunction with cathodic protection. Possesses the required chemical resistance to withstand alkaline conditions of cathodic conditions.
- The dried coating film has been found to be non-flammable and non-toxic and shown high electrical resistance.
- Has very low water and water vapour permeability.
- Suitable for varied end applications i.e. ideal for high humidity, moisture, marine atmospheres, heavy rains, high temperatures, damp conditions, very dusty and fungus prone conditions.
- Impart excellent inter-coat adhesion even on aged coating surfaces.
- Extremely durable and weather resistant with longer maintenance-free life.
- Safe and minimum pollutant.
- Exhibit excellent solvent release properties during film drying.

##### Recommended uses:

Fertilizer plants handling ammonium and alkaline salts, nitrates, sulfates, phosphates and nitric acid fumes.	Sewage farms where hydrogen sulfide and humidity are present.
Concrete Storage Tanks	Water Treatment Plants where high humidity prevails.
Structural Steel	Galvanized Iron
Bleacheries and laundries	Breweries
Pulp and Paper Mills	Chemical Plants
Marine and shore installations	Swimming Pools
Food Processing Plants	Areas of excessive moisture

**Resistance Guide:**

***Immersion Resistance @ 30° C***

- Fresh and Sea Water

***Resistance to spillage and splash - not immersion***

- Inorganic salt solutions, alcohols, fresh water, sulfur dioxide fumes : **Severe**
- Solvents, fuels, animal and vegetable oils and fats : **Not Recommended**
- Weak solutions of acids, cutting oils, aldehydes, chlorine gas : **Severe**
- Oxygenated Solvents : **Moderate**

**Surface Preparation:**

**Steel** - The surface should be blast cleaned to **SSPC-SP 10-63T** or **NACE No. 2** i.e. loose rust and scales, dirt, grease, oil, paint, wax, weak oxide films and other contaminants should be removed. Blast cleaning to **SSPC-SP 5-63** or **NACE No. 1** is recommended where heavy corrosive conditions exist or coating is required to be immersed. That means a surface with a grey metallic colour, slightly roughened to form a suitable anchor pattern for coatings. This surface is free of all oil, grease, dirt, mill scale, rust, corrosion products, oxides, paint and other foreign matter. In absence of blast cleaning, prepare the metal surface by wire brushing, sanding, grinding, scrapping or chipping with hand or power tools. Remove all the contaminants.

**Galvanized Iron** - Remove dirt, dust, oil, old paint etc. Degrease the surface with degreasing solvents like xylene or tri-chloroethylene. Apply one coat of **Anuprime - 291 Wash Primer** for obtaining maximum adhesion.

**Concrete:** Concrete surfaces should be grey or grey-white color and free from pits, pockets and holes. Prepare the surface with abrasive blasting or power tools. Surface imperfections should be filled in with **DURAPATCH**. No cement dust or sand should be dislodged. In absence of blasting, etch the surface with 10-15% muriatic acid diluted in water. Allow this acid solution to remain on the surface for 10-15 minutes or until the bubbling stops. Thoroughly rinse the floor with water to remove all traces of acid. Allow the floor to dry completely before painting.

**TECHNICAL DATA**

Name/Description	Anuchlor 555 LB
Type	Single pack cold cured
Composition	Chlorinated rubber suitably pigmented.
Colour	Range of selected colors.
Finish	Smooth and Glossy
Volume Solids	35 ± 3%
Dry film thickness per coat	30 to 40 microns
Coverage-(theoretical-no loss)	11.67 to 8.75 m <sup>2</sup> /litre
Serviceability @ 30°C	
- Dry to touch	30 minutes
- Re-coat by Spray	2 hours
- Re-coat by Brush	16 -24 hours
- Full Cure	7 days
Relative Humidity	90%

Application Temperature - minimum - maximum	4°C 35°C
Dry heat resistance	65°C
Solvent/Thinner	Anusol - CRT Thinner
Flash Point	23°C
Packing	4 & 20 litres
Shelf Life	6 months
Precaution	Flammable. Keep away from heat and open flame. Maintain good ventilation and avoid breathing vapours.

**Product Limitation:**

**Anuchlor 555 LB** is not resistant to most solvents, animal and vegetable oils and fats common in dairies, packinghouses and sewage treatment facilities. Do not use on floors.

**Recommended Systems:**

**Steel: Moderate Service**

Total DFT 110-130 microns

1 coat **Anuchlor CZP 500** Chlorinated Rubber High Build Primer @ 50 microns per coat  
2 coats **Anuchlor 555 LB** Chlorinated Rubber Enamel @ 30-40 microns per coat

**Steel: Severe Service**

Total DFT 185-205 microns

1 coat **Anuchlor CZP 500** Chlorinated Rubber High Build Primer @ 50 microns per coat  
1 coat **Anuchlor - MIO** Chlorinated Rubber MIO @ 75 microns per coat  
2 coats **Anuchlor 555 LB** Chlorinated Rubber Enamel @ 30-40 microns per coat

**Galvanized Iron / Aluminium: Moderate Service**

Total DFT 118-138 microns

1 coat **Anuprime-291** Wash Primer @ 8 microns per coat  
1 coat **Anuchlor CZP 500** Chlorinated Rubber High Build Primer @ 50 microns per coat  
2 coats of **Anuchlor 555 LB** Chlorinated Rubber Enamel @ 30-40 microns per coat

**Galvanized Iron / Aluminium: Severe Service**

Total DFT 193-213 microns

1 coat **Anuprime-291** Wash Primer @ 8 microns per coat  
1 coat **Anuchlor CZP 500** Chlorinated Rubber High Build Primer @ 50 microns per coat  
1 coat **Anuchlor - MIO** Chlorinated Rubber MIO @ 75 microns per coat  
2 coats of **Anuchlor 555 LB** Chlorinated Rubber Enamel @ 30-40 microns per coat

**Concrete:**

Total DFT 110-140 microns

1 thin coat of **Anuchlor 555 LB** Chlorinated Rubber Enamel @ 20 microns per coat

3 coats of **Anuchlor 555 LB** Chlorinated Rubber Enamel @ 30-40 microns per coat

**Notes**

- Brushes and spray equipments should be cleaned with **Anusol - CRT Thinner**.
- The contents should be stirred thoroughly prior to use.
- When overcoating the weathered or aged **Anuchlor 555 LB**, ensure that the coating is fully free from all contamination such as oil, dust, grease, stains etc.
- This coating should always be thinned with **Anusol - CRT Thinner**. The use of alternative thinners can severely inhibit the curing mechanism of the coating.

**Disclaimer:**

*Information provided herein is based upon tests believed to be reliable. It does not guarantee the results to be obtained. Nor does it make any express and implied warranty or merchantability, or fitness for a particular purpose concerning the effects or results of such case. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended uses. The application, surface preparation and use of the products are beyond our control and, therefore, entirely your own responsibility.*

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