

## Grades

GRADE	VISCOSITY IN CPS	CTC, %	GARDNER COLOUR (20% W/W Soln. In Toluene)
5	4 to 7	< 0.9	< 6
10	8 to 13	< 0.9	< 6
20	15 to 25	< 0.9	< 6
40	35 to 55	< 0.9	< 6

The viscosity is determined by Brookfield Viscometer of 20% solution in toluene at 20°C (20 G HALORUB dissolved in 80 G toluene)

## Physical Properties

TESTS	STANDARD VALUE	TEST METHODS
Appearance	Free flowing fine white / off – white powder	Visual
Specific Gravity	1.60 + 0.05	DIN – 53243
Ash Content, %	< 0.5	ASTM D803 – 82
Bulk Density, gm/lit	> 300.0	ASTM D2935
Moisture, %	< 0.5	ASTM D4017 - 90

## Grades for Various Applications

<b>PAINTS</b>	<b>5</b>	<b>10</b>	<b>20</b>	<b>40</b>	<b>HV</b>
Maintenance paints for steel structure		*	*		
Traffic paints		*	*		
Fire retardant paints			*		
Swimming pool paints			*	*	
Marine paints		*	*		
High build paints		*	*		
Container coatings		*	*		

## **PRINTING INKS**

Gravure	*	*			
Flexible PVC		*			
Silk Screenings		*			
Reprographic		*	*		

Marking			*		
Aluminum foils			*		
Heat seal coatings	*				

## ADHESIVES

General purpose – Neoprene based			*	*	
Nitrile Rubber based			*	*	
Rubber to metal bonding			*	*	
Shoe sole adhesives			*	*	
Sealants			*	*	*
Pressure sensitive adhesives			*	*	

## Main Properties

- Physical drying mechanism
- Film formation by solvent evaporation
- Acids, alkalies and various chemical resistance
- Compatible with various resins and plasticizers
- Good adhesion on various substrates
- Soluble in many commonly used solvents

## Main Advantages

- Single pack formulations
- Excellent recoatability after ageing
- The paint can be applied by brush, roller, dipping, flow coating, airless spray.
- The paints can be applied under adverse high humidity atmospheric conditions, such as low temperatures above dew point.
- Zinc rich, anticorrosive, antifouling, architectural as well as fire retardant paints can be formulated.
- Paints can be stored for a very long duration in good closed containers in a dry and cool place.

HALORUB also has applications in printing ink and adhesives.