



Coating Holdings LTD

1137 W Fond du Lac St
Ripon WI 54971

ORBL-V

Product Description

- 100% solids, two component polyurea hybrid coating
- contains no VOC's
- good resistance to inorganic bases, acids and hydrocarbon solvents
- Fair resistance to oxygenated and chlorinated solvent
- good resistance to hot water up to 180°F

Primary Applications

- use as an immersion grade tank lining for steel and concrete tanks
- lining of material handling equipment
- coating of urethane or expanded polystyrene foam insulation
- waterproofing of structures
- protection of concrete from acid and alkaline materials
- use as an environmental containment barrier with or without geotextiles
- used for lining interior of truck beds
- use as tank lining material

Color

Standard is black, contact CH LTD for additional colors.

Storage

12 months in unopened containers at 50-90°F

Toxicity

Iso component contains polymeric isocyanate requiring fresh air supply respirator, gloves and protective clothing during application

Application:

Thoroughly mix the colored component in order to re-suspend any pigment that may have settled out. Apply using hot airless spray equipment capable of producing a minimum of 1000 psi and maintaining an application temp of 120-130°F. The mixing ratio shall be maintained within 0.95 to 1.1 volume of iso to 1 volume of poly. Impingement mixing, air purge spray guns are suggested for ease of application. ORBL-V gels in 2-5 seconds and cures to handle in 10-30 seconds when applied using hot airless spray equipment. Allow 1-4 hours to cure completely before placing coated items into service. Other variations of this product include the same polymer system supplied with a mixing ratio of one volume iso to two of poly. A slightly softer version with 40 Shore D hardness is also available. Other properties that can be enhanced include antistatic properties and low coefficient of friction additives to aid in unloading bulk material and enhance wear properties. Please contact Coating Holdings LTD for further information.

Typical Physical Properties

Tensile Strength	ASTM D412	2800
Elongation (%)	ASTM D412	125%
Tear Strength (PLI)	ASTM D-624	350
Hardness (shore A)	ASTM D2240	93
Abrasion resistance		Excellent
Viscosity B side	CPS	400-550
Viscosity A side	CPS	400-550
Ratio A/B	PBV	1:1
Density B side		1.025
Density A side		1.14
Flash point	ASTM D56	>200°
Weight		100%
Volume		100%

Primer

ORPR211 is the recommended primer

Warranty

The technical data and any other printed information furnished by Coating Holdings LTD are true and accurate to the best of our knowledge. ORBL-V conforms to in house quality control procedures and should be considered free of defects. The data provided is believed to be reliable and is offered solely for evaluation. The use of this product is beyond the control of the seller therefore the buyer assumes all risks of use and handling whether done in a matter that is in accordance with the provided posted directions or not. Coating Holdings LTD makes no warranty; expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.