

RR&C Ductile Iron Pipe Coating HV

SELECTION & SPECIFICATION DATA

Type	Non-fibered Asphalt Emulsion
Description	A blend of selected mineral fillers and emulsified asphalts that provides excellent protection against corrosion on steel and other metal substrates.
Features	<ul style="list-style-type: none"> • Water-based with low VOCs • Very stable - no settling or separation • Environmentally friendly • Worker friendly • NSF approved
Uses	<ul style="list-style-type: none"> • Underbody coating • Pipe and castings coating • General corrosion protection • Moisture barrier
Color	Black
Finish	Matte
Primer	Self-priming
Dry Film Thickness (DFT)	2 - 5 mils per coat
Solids Content	45% by weight 40% by volume
Maximum Dry Temperature Resistance	300°F (149°C)
Limitations	Protect from freezing Not for immersion service

SUBSTRATES & SURFACE PREPARATION

All	Substrate must be clean, dry and free of contaminants.
Previously Painted Surfaces	Consult with your Sherwin-Williams representative.

MIXING & THINNING

Mixing	Not required
Thinning	Generally not required. Product is thixotropic and will thin under shear. If a reduction in static viscosity is desired, agitate to thin. The addition of water is not recommended for spray application. When applying by dip application, the addition of water is recommended to maintain a solids level of 45% by weight in the dip tank.
Ratio	Single component
Cleanup	Tools and hands should be cleaned with soap and water before the emulsion sets. Dried material can be cleaned with mineral spirits. Spray equipment should be flushed with soapy water then fresh water for short periods of non-use. For longer periods of non-use, a final flush using mineral spirits is recommended.

APPLICATION GUIDELINES

Spray Application Guide	RR&C Ductile Iron Pipe Coating HV is designed for spray application using airless equipment.
Airless Spray	For best results under a wide variety of spray conditions, a 30:1 or higher ratio pump is recommended.
Tip Size	A 0.021-inch orifice tip size is recommended.
Hose L/D	200 ft (max) x 3/8-inch diameter
Whip L/D	6 ft (max) x 1/4-inch diameter
Pump Packings	PTFE/UHMWP packings in the spray pump are recommended.
Film Thickness	Non-sagging up to 15 mils WFT on verticals.
Brush/Roller	Can be brush or roller applied.
Dip Tank	Can be applied in dip tank.
Temperature	Use in temperature of 50°F (10°C) or higher for best performance.
Dry to Touch	30 minutes at 77°F (25°C). Dry times are decreased with air movement over the coating.
Full Cure	24 - 48 hours at 77°F (25°C). Cure times are decreased with air movement over the coating.

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PACKAGING, HANDLING & STORAGE

ITEM#	PACKAGING
DIPCHV-053-SW	Drum - 53 gallons
DIPCHV-275IBC-SW	IBC Tote - 275 gallons
Theoretical Coverage Rate	641 square feet per gallon at 1 mil DFT
Storage & Shelf Life	Estimated shelf life is 6 months when stored in a dry area at 75°F (24°C). Actual shelf life may vary with storage conditions. Do not store below 50°F (10°C) or above 110°F (43°C). Protect from freezing. Do not store product outside.

SAFETY

Safety Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.

Ventilation Use in well ventilated areas.

TYPICAL PHYSICAL PROPERTIES

Density ASTM D1475-13	9.1 lbs/gal
Solids by weight ASTM D5201-05a	45%
Solids by volume ASTM D5201-05a	40%
Specific gravity	1.09
Dry-to-touch, 77°F (25°C) ASTM D5895-96	30 minutes
Full cure, 77°F (25°C)	24 - 48 hours
Viscosity, 77°F (25°C) ASTM D2983-19	800 cps
Resistance to oils, greases & solvents	Poor
VOC ASTM D3960-05	0.2 lbs/gal max

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