

Ohio DOT, Office of Roadway Engineering
Wet Reflective Optics
 Last Updated: January 19, 2021

Manufacturer	WR Optic Brand Name	ODOT Binder Material Type	Binder Material Thickness (mils)	Standard ODOT Glass Bead Type	Standard ODOT Glass Bead Drop Rate (lbs/100 sf)	WR Optic Drop Rate (lbs/100 sf)
3M	CR AWE 50/51	642 Traffic Paint	20-30 wet	ODOT Type A	7.94	2.6 minimum, 5.3 recommended
	CR AWE 50/51	644 Thermoplastic	> = 90	ODOT Type C	9.92	2.6 minimum, 5.3 recommended
	CR AWE 50/51	646 Epoxy	20-25	ODOT Type D Size I	15	2.6 minimum, 5.3 recommended
	CR AWE 50/51	648 Spray Thermo	90	ODOT Type C	9.92	2.6 minimum, 5.3 recommended
Potters Industries, LLC	VisiUltra	642 Traffic Paint (White only)	20	ODOT Type A	5	10
	VisiUltra	644 Thermoplastic	90	ODOT Type C	5	10
	VisiUltra EP	646 Epoxy	20	ODOT Type A	5	10
	VisiUltra	648 Spray Thermo	60	ODOT Type C	5	10
Swarco	Duralux 334	642 Traffic Paint	20	ODOT Type A	N/A	8-10
	Duralux 334	643 Polyester	15	ODOT Type B	N/A	8-10
	Duralux 334	644 Thermoplastic	125	ODOT Type C	N/A	10-12
	Duralux 334Plus	646 Epoxy	20	ODOT Type C	10-15	12-14
	Duralux 334	648 Spray Thermo	45	ODOT Type C	N/A	10-12

Note: Changes to drop rates or material thicknesses shown above due to unusual environmental or weather conditions shall be approved by the manufacturer and ODOT Project Engineer prior to installation

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