

<b>PRODUCT INFORMATION</b>	<b>TYPE OF PRODUCT</b>	Decking and Railing
	<b>COMPANY NAME</b>	Master Mark Plastics
	<b>PRODUCT/COLLECTION NAME</b>	Rhino Deck
	<b>DESCRIPTION</b>	Rhino Deck is a solid decking board that is attached to the joist by pre-drilling and screwing the board to the joist. Rhino Deck provides an economical yet attractive option for your decking project.
<b>MATERIAL FEEDSTOCK</b>	<b>MATERIAL CONTENT</b>	50% recycled wood and 50% recycled plastic
	<b>RECYCLED CONTENT %</b>	100%
	<b>RAPIDLY RENEWABLE CONTENT %</b>	100%
	<b>HARMFUL ADDITIVES</b>	None
	<b>HARMFUL EMISSIONS</b>	Not measured
	<b>EMISSION STRENGTH OVER TIME</b>	Not measured
<b>MANUFACTURING</b>	<b>TREATMENTS</b>	Color is infused and throughout the product – not applied
	<b>MANUFACTURING PROCESS</b>	HDPE is compressed and wrapped tightly into 1400 lb bales and sent by truck to a shredding facility. The plastic is then shredded in to 3/8" pieces called "dirty flakes." The dirty flakes are then sent back to the manufacturer by truck. A high-pressure washer tumbles the flake in luke warm water to soften adhesives and breakdown any labels. A separation washer then uses a paddlewheel system to agitate the flake. HDPE plastics ("Clean flake") float to the top and are skimmed off, while other waste materials settle at the bottom. Clean flake is then mixed with finely ground sawdust and small amounts of binder and colorant containing an ultraviolet stabilizer. The mixture is directly funneled to a double auger extruder that heats and compresses it into a gooey 400 degree mass. The soft plastic is pressed through a rectangular die into a continuous board. Clamps automatically secure a board after a desired length has padded. A carbide tipped circular saw makes the cut. A heated, textured metal drum rotates, embossing a wood grain pattern into the still warm board. The boards are then shipped by rail or truck to distributors.
	<b>HARMFUL EMISSIONS</b>	Master Mark makes every attempt at using an efficient process... but no quantitative analysis has been made.
	<b>LOCATION OF MANUF. PLANT</b>	Paynesville, MN
	<b>TESTS/CODES</b>	Flame Spread ASTM E84-01 70 Density of Smoke ASTM E84-01 200 Modulus of Elasticity (MOE) ASTM D 6109 447879 Modulus of Rupture (MOR) ASTM E84-01 2816 Coefficient of Thermal Expansion ASTM D 6341 1.99E-05 Xenon Arc Ultraviolet Exposure ASTM G26 & D2565-99 No peeling, chipping, cracking, flaking or pitting or decay Tensile Peak Stress Length D638 Compressive Strength Length ASTM D198 3419 Width ASTM D143 2163 Fungus Resistance ASTM D2017 no-decay Coefficient of Friction ASTM D 6341 Dry: ASTM D 2047 Wet: ASTM D 2047 Screw Withdraw ASTM D 1761 648 Nail Withdrawal ASTM D 1761 108 Water Absorption by Weight D 1037 3.7% Water Absorption by Volume 1.1% Thickness Swelling 0.8% Stair Thread ASTM D 790 328.099 lbf. Rhino Deck Clip ASTM E 330-02 340 PSF Termite ASTM D 3345-74 PASS
<b>3<sup>RD</sup> PARTY CERTIFICATION</b>	GreenSpec, UNEP	
<b>INSTALLATION</b>	<b>INSTALLATION PROCEDURE</b>	Use standard wood working tools. Carbide tipped tools and quality deck screws are recommended for a clean appearance.
	<b>INSTALLATION ADHESIVES</b>	No Adhesives

	<b>UNIT COST</b>	N/A
	<b>LIFE CYCLE ANALYSIS EXTRACTION</b>	N/A
	<b>END OF SERVICE LIFE</b>	Product is durable for 25 years No recycling or reuse program currently exists
<b><u>MISC. PROPERTIES</u></b>	<b>QUALITIES/PROPERTIES OF PRODUCT</b>	Highly durable
	<b>MISC. COMMENTS</b>	Rhino Deck decking material has a limited 20 year warranty. This warranty offers coverage against checking, insect/termite damage and splintering for a full 20 years after the date of purchase.
	<b>CONTRIBUTION TO LEED POINTS</b>	MR 4.2
<b><u>COMPANY PROFILE</u></b>	<b>GREEN PHILOSOPHY</b>	Rhino Deck proudly supports C.R.E.W. (Center for Conservation and Research of Endangered Wildlife) and is a proud recipient of the United Nations Environment Program Award.
	<b>CONTACT</b>	Sales Tom Weber 800.535.4838 x23 tweber@mastermark.com
<b><u>MAINTENANCE</u></b>	<b>AFTER INSTALLATION</b>	Simply cleaning the surface once or twice a year with a good quality cleaner is all you need.  Dirt and grime can simply be sprayed down with a high-pressure water hose. For mold and mildew use a cleaner containing sodium hypochlorite (bleach). For all other stains, use a deck cleaner like Flood's Dekswood®. <a href="http://www.floodco.com">http://www.floodco.com</a> . When shoveling snow off, use a plastic or plastic tip shovel to avoid gouging the finish. Ice and snow will melt off of Rhino Deck if calcium chloride or rock salt is applied. Rinse the calcium chloride or rock salt to avoid surface residue build-up