

TREND Q 503 DATASHEET

FICHA TECNICA · FICHE TECHNIQUE

TREND Q 503

Trend USA Ltd certifies that the information concerning material content of the **TREND Q** color **503** represented in this document is factually correct and current. All the data was collected analyzing not only the raw materials, as they are prepared at the time of the recipe, but also during the production process.

Estimates for resin and material loss are provided where recent data is unavailable. These estimates are based on practical experience and past measurements and are very close to actual values. The following chart represents the changes that occur to raw materials during the various phase of our production. We have not included in the calculation of the weight the fiber mesh we use as a precaution, since its weight is not so relevant.

The quantity specified below is for a slab of 43.08 sqf., as it comes out of our production. These are the various steps and measurements, in bold, those materials that are affected by these manufacturing steps: recipe and kiln cycle, calibration and finally polishing.

TREND Q COLOR	MATERIAL	QUANTITY	UM	%	RESIN EVAPORATION	LIMESTONE CALIBRATION	RESIN LOSS IN CALIBRATION	MATERIAL REMOVED AT POLISHING	% MATERIAL REMOVED	% FINAL QUANTITY
503	Post. ind. mosaic 160	95.47	Lb	47.29	95.47	95.47	95.47	93.26	-2.32	66.19
	Pigment	4.96	Lb	2.46	4.96	4.96	4.96	4.57	-7.93	3.24
	Fine quartzite	17.3	Lb	8.57	17.30	17.30	17.30	15.93	-7.93	11.31
	Resin	20.15	Lb	9.98	17.35	17.35	14.27	13.13	-7.93	9.32
	Limestone	64.00	Lb	31.70	64.00	14.00	14.00	14.00		9.94
	Fiber mesh	3.30	Yard							
	Total	201.88			199.08	149.08	146.00	140.88		

Based on this analysis we certify that the recycled content of **TREND Q** color **503** is **66.19%**.

RECYCLED MATERIALS

The glass mosaic used for this color comes from our own production of Glass. It has to be considered as pre-consumer recycled.

LOCATION OF EXTRACTION (AS CROW FLIES)

The Collection site for our Recycled glass mosaic is **8512.78 miles** from Trend's manufacturing plant.

Fine quartzite or Silicosil is mined and processed **858.73 miles** away from Trend's manufacturing plant.

Resin is produced and shipped from a plant located **50.66 miles** from our production site.

Limestone used to calibrate the material and as backing is shipped to Trend from a supplier located approximately **500 miles** from our Sebring factory.

Trend considers the environmental and ethical credentials of its suppliers. Information about our suppliers is confidential and can be provided once a confidentiality agreement is signed.

Trend Q can help fulfill Credits "Materials & Resources" and "Indoor Environmental Quality" under the *LEED Rating System.

The *LEED® (Leadership in Energy and Environmental Design) Green Building Rating System is the nationally accepted benchmark for the design, construction, and operation of high performance green buildings.



LEED 2009 for New Construction and Major Renovations

Project Checklist

0 0 0 Sustainable Sites Possible Points: 26

Y	?	N			
Y			Prereq 1	Construction Activity Pollution Prevention	
			Credit 1	Site Selection	1
			Credit 2	Development Density and Community Connectivity	5
			Credit 3	Brownfield Redevelopment	1
			Credit 4.1	Alternative Transportation—Public Transportation Access	6
			Credit 4.2	Alternative Transportation—Bicycle Storage and Changing Rooms	1
			Credit 4.3	Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles	3
			Credit 4.4	Alternative Transportation—Parking Capacity	2
			Credit 5.1	Site Development—Protect or Restore Habitat	1
			Credit 5.2	Site Development—Maximize Open Space	1
			Credit 6.1	Stormwater Design—Quantity Control	1
			Credit 6.2	Stormwater Design—Quality Control	1
			Credit 7.1	Heat Island Effect—Non-roof	1
			Credit 7.2	Heat Island Effect—Roof	1
			Credit 8	Light Pollution Reduction	1

0 0 0 Water Efficiency Possible Points: 10

Y			Prereq 1	Water Use Reduction—20% Reduction	
			Credit 1	Water Efficient Landscaping	2 to 4
			Credit 2	Innovative Wastewater Technologies	2
			Credit 3	Water Use Reduction	2 to 4

0 0 0 Energy and Atmosphere Possible Points: 35

Y			Prereq 1	Fundamental Commissioning of Building Energy Systems	
Y			Prereq 2	Minimum Energy Performance	0
Y			Prereq 3	Fundamental Refrigerant Management	
			Credit 1	Optimize Energy Performance	1 to 19
			Credit 2	On-Site Renewable Energy	1 to 7
			Credit 3	Enhanced Commissioning	2
			Credit 4	Enhanced Refrigerant Management	2
			Credit 5	Measurement and Verification	3
			Credit 6	Green Power	2

0 0 0 Materials and Resources Possible Points: 14

Y			Prereq 1	Storage and Collection of Recyclables	0
			Credit 1.1	Building Reuse—Maintain Existing Walls, Floors, and Roof	1 to 3
			Credit 1.2	Building Reuse—Maintain 50% of Interior Non-Structural Elements	1
			Credit 2	Construction Waste Management	1 to 2
			Credit 3	Materials Reuse	1 to 2

Materials and Resources, Continued

Y	?	N			
			Credit 4	Recycled Content	1 to 2
			Credit 5	Regional Materials	1 to 2
			Credit 6	Rapidly Renewable Materials	1
			Credit 7	Certified Wood	1

0 0 0 Indoor Environmental Quality Possible Points: 15

Y			Prereq 1	Minimum Indoor Air Quality Performance	0
Y			Prereq 2	Environmental Tobacco Smoke (ETS) Control	0
			Credit 1	Outdoor Air Delivery Monitoring	1
			Credit 2	Increased Ventilation	1
			Credit 3.1	Construction IAQ Management Plan—During Construction	1
			Credit 3.2	Construction IAQ Management Plan—Before Occupancy	1
			Credit 4.1	Low-Emitting Materials—Adhesives and Sealants	1
			Credit 4.2	Low-Emitting Materials—Paints and Coatings	1
			Credit 4.3	Low-Emitting Materials—Flooring Systems	1
			Credit 4.4	Low-Emitting Materials—Composite Wood and Agrifiber Products	1
			Credit 5	Indoor Chemical and Pollutant Source Control	1
			Credit 6.1	Controllability of Systems—Lighting	1
			Credit 6.2	Controllability of Systems—Thermal Comfort	1
			Credit 7.1	Thermal Comfort—Design	1
			Credit 7.2	Thermal Comfort—Verification	1
			Credit 8.1	Daylight and Views—Daylight	1
			Credit 8.2	Daylight and Views—Views	1

0 0 0 Innovation and Design Process Possible Points: 6

			Credit 1.1	Innovation in Design: Specific Title	1
			Credit 1.2	Innovation in Design: Specific Title	1
			Credit 1.3	Innovation in Design: Specific Title	1
			Credit 1.4	Innovation in Design: Specific Title	1
			Credit 1.5	Innovation in Design: Specific Title	1
			Credit 2	LEED Accredited Professional	1

0 0 0 Regional Priority Credits Possible Points: 4

			Credit 1.1	Regional Priority: Specific Credit	1
			Credit 1.2	Regional Priority: Specific Credit	1
			Credit 1.3	Regional Priority: Specific Credit	1
			Credit 1.4	Regional Priority: Specific Credit	1

0 0 0 Total Possible Points: 110

Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110