



Durasein®

LRV: Light Reflectance Values of Durasein® Solid Surface

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LIGHT REFLECTANCE
VALUES UK

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Introduction

Light Reflectance Values (LRV) for the colours of Durasein® acrylic solid surface are provided in this bulletin. LRV plays an important role in commercial space design: aesthetics, functionality, enhancing safety and the overall experience of the space.

Overview

LRV is a measure of total quantity of visible light a surface reflects when illuminated. Light encountered within buildings is reflective and surfaces with lower LRV absorb light from the source resulting in lower overall light intensity. Surfaces that reflect more light from the source can promote alertness and activity. Choosing surfaces with higher LRV values is a good design strategy for ensuring that a sufficient amount of light reaches the eye without increasing glare.

LRV can play a significant role for Safety in commercial spaces. LRV is the proportion of visible light reflected by a surface compared to the sensitivity to light of the human eye. Surfaces which differ substantially in LRV can be distinguished from one another by persons who are blind or partially sighted.

Method of Test

BS 8493 and EN 16584 specify the test method to determine the Light Reflectance Value and indicate that the greater the difference value of LRV's between two adjacent surfaces can help predict the ability of people to see a difference in the different surfaces of materials. Thus, the greater the LRV between two adjacent surfaces, the more likely that the difference can be identified.

LRV scale runs from 0 for a perfectly absorbing surface which one can assume to be totally black, up to 100, a perfectly reflective surface which one can assume to be a perfect white. However, there are always other influences. Therefore, black is always greater than 0 and white never equals 100.

References

BS 8300-2:2018, Design of an accessible and inclusive built environment.

EN 16584-1:2015, Railway Applications
Design for PRM Use General requirements
Part 1: Contrast. (PRM, Persons of Restricted Mobility)

BS 8493:2008, Light reflectance value (LRV)
of a surface. Method of test.

ASTM C609, Standard Test Method For
Measurement Of Light Reflectance Value And Small
Color Differences between Pieces of Ceramic Tile.

Durasein® Solid Surface Colours by LRV Values

COLOUR CODE	COLOUR	LRV VALUE
PM201	Glacier White	90
PM6010	Pure White	84
PM4097	Designer White	82
PM4523	Shasta	82
TS069	Briosinki	81
PAW051	Luna	80
PM4529	Duostone	77
TS082	Gamma	76
PM4332	Slanico White	76
PM4907	Triarctic	76
PM4266	Clarity	74
PM4530	Cubebianche	74
PM4370	Milky Sands	72
PM4533	Triostone	72
PM4549	Duocream	71
TS070	Gadthema	71
PAW001	Knight White	71
PM4074	Natural White	70
PAW091	Blanca Carrera	69
PM112	Tambora	68
PAW005	Niagara	66
PAW100	Blossoming	65
PM4062	Lake Water	63
PM4768	Silver Falls	62
PM4005	Outre White	61
PM4407	Snowy	61
PM4153	Bone	58
PAW095-1	Icy Grey	57
PAW142	Blush	54
PM4808	Bean	53

COLOUR CODE	COLOUR	LRV VALUE
PM4094	Apple	52
PM4462	Sandalwood	52
PM4355	Sanded Beige	51
PM138	Grey Quartz	50
PAW141	Sandstone	48
TS071	Alpha	47
PAW140	Fossil	45
PM205	Sandy Yellow	45
PM4766	Spinnelle	43
PM4595	Trivory	42
PM4531	Duomist	41
PAW074	Nimbus	40
PAW019	Nightfall	37
PM6194	Pebble Grey	32
PM4290	Dove	31
PM4479	Concrete	29
PAW017	Driftsand	28
PM4840	Limestone	26
PM4836	Clay	25
PM4638	Triobrown	20
PM4652	Shadow Grey	19
PM4081	Steel Grey	16
PM4532	Duonight	12
PAW021	Lava	11
PAW022	Meteor Shower	7
PM202	Hot	6
PM276	Night Sky	3
PM4460	Glitter Black	3
PM811	Lodestar	3
PM206	Nocturne	3

LRV Values: Durasein® Solid Surface Colours by Alphabetical Listing

COLOUR CODE	COLOUR	LRV VALUE
TS071	Alpha	47
PM4094	Apple	52
PM4808	Bean	53
PAW091	Blanca Carrera	69
PAW100	Blossoming	65
PAW142	Blush	54
PM4153	Bone	58
TS069	Briosinki	81
PM4266	Clarity	74
PM4836	Clay	25
PM4479	Concrete	29
PM4530	Cubeblanche	74
PM4097	Designer White	82
PM4290	Dove	31
PAW017	Driftsand	28
PM4549	Duocream	71
PM4531	Duomist	41
PM4532	Duonight	12
PM4529	Duostone	77
PAW140	Fossil	45
TS070	Gadthema	71
TS082	Gamma	76
PM201	Glacier White	90
PM4460	Glitter Black	3
PM138	Grey Quartz	50
PM202	Hot	6
PAW095-1	Icy Grey	57
PAW001	Knight White	71
PM4062	Lake Water	63
PAW021	Lava	11

COLOUR CODE	COLOUR	LRV VALUE
PM4840	Limestone	26
PM811	Lodestar	3
PAW051	Luna	80
PAW022	Meteor Shower	7
PM4370	Milky Sands	72
PM4074	Natural White	70
PAW005	Niagara	66
PM276	Night Sky	3
PAW019	Nightfall	37
PAW074	Nimbus	40
PM206	Nocturne	3
PM4005	Outre White	61
PM6194	Pebble Grey	32
PM6010	Pure White	84
PM4462	Sandalwood	52
PM4355	Sanded Beige	51
PAW141	Sandstone	48
PM205	Sandy Yellow	45
PM4652	Shadow Grey	19
PM4523	Shasta	82
PM4768	Silver Falls	62
PM4332	Slanico White	76
PM4407	Snowy	61
PM4766	Spinelle	43
PM4081	Steel Grey	16
PM112	Tambora	68
PM4907	Triarctic	76
PM4638	Triobrown	20
PM4533	Triostone	72
PM4595	Trivory	42

Durasein® Solid Surface Colours with DM Colour Code by LRV Values

COLOUR	COLOUR CODE	LRV VALUE
Glacier White	DM1005	90
Pure White	DM1019	84
Designer White	DM1014	82
Shasta	DM2024	82
Briosinki	DM4003	81
Luna	DM5014	80
Duostone	DM2015	77
Gamma	DM4006	76
Slanico White	DM2502	76
Triarctic	DM3021	76
Clarity	DM2007	74
Cubeblanche	DM2026	74
Milky Sands	DM2012	72
Triostone	DM2014	72
Duocream	DM2030	71
Gadthema	DM4002	71
Knight White	DM5025	71
Natural White	DM1002	70
Blanca Carrera	DM5058	69
Tambora	DM3027	68
Niagara	DM5001	66
Blossoming	DM5027	65
Lake Water	DM6016	63
Silver Falls	DM3012	62
Outre White	DM6005	61
Snowy	DM2016	61
Bone	DM1003	58
Icy Grey	DM5019	57
Blush	DM5064	54
Bean	DM3019	53

COLOUR	COLOUR CODE	LRV VALUE
Apple	DM6009	52
Sandalwood	DM2013	52
Sanded Beige	DM2002	51
Grey Quartz	DM1011	50
Sandstone	DM5063	48
Alpha	DM4005	47
Fossil	DM5062	45
Sandy Yellow	DM6014	45
Spinelle	DM3039	43
Trivory	DM2032	42
Duomist	DM2017	41
Nimbus	DM5045	40
Nightfall	DM5050	37
Pebble Grey	DM1026	32
Dove	DM3501	31
Concrete	DM3018	29
Driftsand	DM5052	28
Limestone	DM3005	26
Clay	DM3020	25
Triobrown	DM2035	20
Shadow Grey	DM2036	19
Steel Grey	DM1009	16
Duonight	DM2028	12
Lava	DM5004	11
Meteor Shower	DM5005	7
Hot	DM6013	6
Night Sky	DM2006	3
Glitter Black	DM2501	3
Lodestar	DM2009	3
Nocturne	DM6006	3

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COLOUR	COLOUR CODE	LRV VALUE
Alpha	DM4005	47
Apple	DM6009	52
Bean	DM3019	53
Blanca Carrera	DM5058	69
Blossoming	DM5027	65
Blush	DM5064	54
Bone	DM1003	58
Briosinki	DM4003	81
Clarity	DM2007	74
Clay	DM3020	25
Concrete	DM3018	29
Cubeblanche	DM2026	74
Designer White	DM1014	82
Dove	DM3501	31
Driftsand	DM5052	28
Duocream	DM2030	71
Duomist	DM2017	41
Duonight	DM2028	12
Duostone	DM2015	77
Fossil	DM5062	45
Gadthema	DM4002	71
Gamma	DM4006	76
Glacier White	DM1005	90
Glitter Black	DM2501	3
Grey Quartz	DM1011	50
Hot	DM6013	6
Icy Grey	DM5019	57
Knight White	DM5025	71
Lake Water	DM6016	63
Lava	DM5004	11

COLOUR	COLOUR CODE	LRV VALUE
Limestone	DM3005	26
Lodestar	DM2009	3
Luna	DM5014	80
Meteor Shower	DM5005	7
Milky Sands	DM2012	72
Natural White	DM1002	70
Niagara	DM5001	66
Night Sky	DM2006	3
Nightfall	DM5050	37
Nimbus	DM5045	40
Nocturne	DM6006	3
Outre White	DM6005	61
Pebble Grey	DM1026	32
Pure White	DM1019	84
Sandalwood	DM2013	52
Sanded Beige	DM2002	51
Sandstone	DM5063	48
Sandy Yellow	DM6014	45
Shadow Grey	DM2036	19
Shasta	DM2024	82
Silver Falls	DM3012	62
Slanico White	DM2502	76
Snowy	DM2016	61
Spinnelle	DM3039	43
Steel Grey	DM1009	16
Tambora	DM3027	68
Triarctic	DM3021	76
Triobrown	DM2035	20
Triostone	DM2014	72
Trivory	DM2032	42

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