ABET INFOTEC

ABET LAMINATI **R906**

Surface Reflective Values

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ABET LAMINATI

1 TECHNICAL INFORMATION ON WORKING SURFACES AND ENVIRONMENTS

REFLECTANCE VALUES

Following developments in national and international law and the clearer definitions of technical specifications of materials, ABET LAMINATI considers it advisable to provide the following information on reflectance and specular gloss values.
Reflectance should not be confused with gloss. Reflectance is the ratio of the total quantity of light reflected from a surface to the total quantity of incident light on the surface. Reflectance is determined by color and shading of the opaque laminate and is independent of surface finish. Apparent reflectance, of which gloss is a special kind, refers to a specified condition of view or reflection.
The following light reflectance values are measured according to ISO 7724/UNI 8941 standard, part 2, "Colorimetry Colour Measurement". The values of XYZ are the basis for the representation of color, simulating what the human eye can see. In percentage terms, the spectro-colorimeter measures the degree of gray (Y) of the color under examination, in a scale that goes from 100 (white) to 0 (black).

CODE	COLOR	REFLECTANCE Y IN % (typical values)
280	Decori Minimi	67
293	Pietra Grigia	52
475	Grigio Perla	43
477	Grigio	36
478	Grigio Chiaro	50
854	Silver Bleu	65
869	Grigio Alpaca	34
870	Grigio Lastra	26
414	Sabbia	53
416	Beige	45
420	Beige Pastello	42
810	Mini Bianco	73
868	Grigio Medio	27
110l	Serie Milano	45
1106	Serie Milano	32
1126	Serie Milano	27
1642	Pero Italiano	35
1671	Serie Acero	30
1673	Serie Acero	22
674	Serie Acero	31

SPECULAR GLOSS

This characteristic is measured by ISO 2813/UNI 9149 standard "The Determination of Specular Gloss" or ANSI/NEMA LD-3, 3.2 "Surface Finish". Gloss is determined by the smoothness of the surface and is measured by the amount of light which is reflected when the angle of incidence is equal to the angle of reflection. The glossmeter measures the quantity of light reflected by the surface symmetrically to certain angles of incidence in gloss units. In this case an angle of 60 degrees is used. The specular gloss is determined by the type of surface finish, with color and design exerting no influence.

FINISH	Specular gloss at 60° - Typical values
66	9 – 20
ASH	90 – 110
EDRA	15 – 30
FIBER	2 – 7
LUCIDA	95 – 110
MAGMA	3 – 7
MANDARIN	3 – 10
MICROLINE	2 – 6
MILLERIGHE	5 – 15
MORBIDA	20 – 35
NATURAL	4 – 8
NEUTRA	4 – 9
NUTSHELL	10 – 16
OSLO	20 – 37
SEI	10 – 22
SHINY	50 – 78
SMALTO	70 – 95
SPUGNA	4 – 7
SOFT	2 – 7
VEN. LEGNO	6 – 12
ZODIA	13 – 24