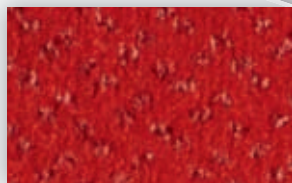




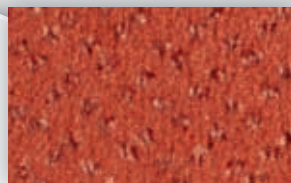
OPTIMA



▲ SB/FS: OPT.100



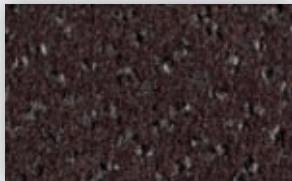
▲ SB/FS: OPT.110 *



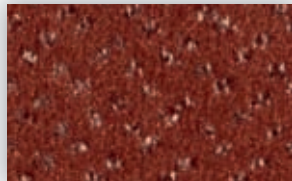
▲ SB/FS: OPT.310



▲ SB/FS: OPT.320



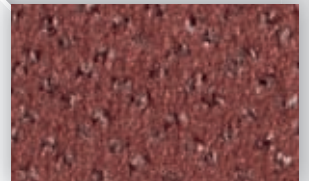
▲ SB/FS: OPT.200



▲ SB/FS: OPT.300 *



▲ SB/FS: OPT.180



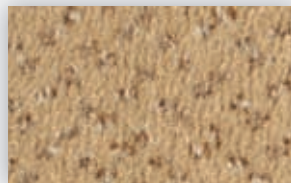
▲ SB/FS: OPT.060



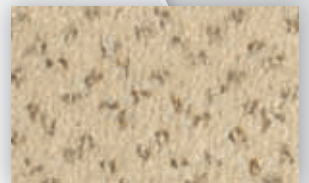
▲ SB/FS: OPT.190 *



▲ SB/FS: OPT.390



▲ SB/FS: OPT.230 *



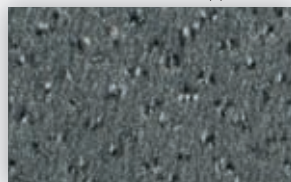
▲ SB/FS: OPT.450



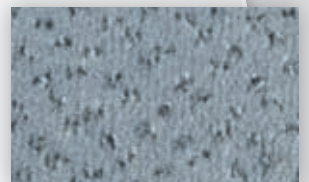
▲ SB/FS: OPT.010



▲ SB/FS: OPT.800 *



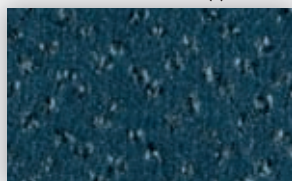
▲ SB/FS: OPT.840 *



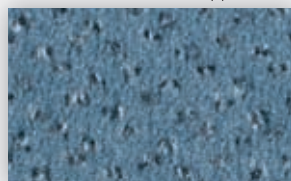
▲ SB/FS: OPT.870



▲ SB/FS: OPT.700



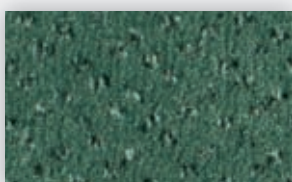
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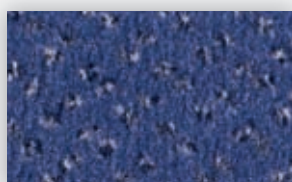
▲ SB/FS: OPT.750



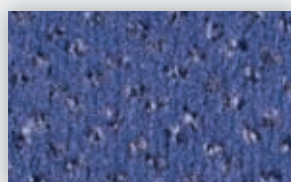
▲ SB/FS: OPT.760



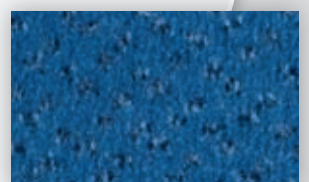
▲ SB/FS: OPT.680



▲ SB/FS: OPT.030



▲ SB/FS: OPT.040



▲ SB/FS: OPT.730 *

*
backing
FBP/FS

ISO 11654

Geluidsdempingsvermogen | Absorption phonique | Sound absorption
Schallabsorptionsgrad | Grado d'assortimento acustico

$\alpha_w \pm 0,30$

code SQF (400 cm)

OPTIMA

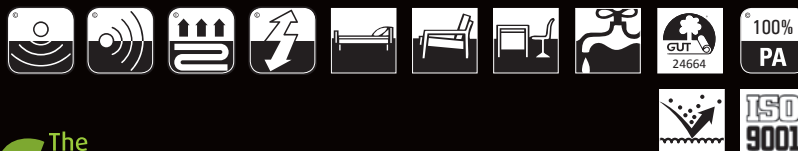
lano carpets for hospitality

LANO

Flooring Solutions!

Fabricagemethode Technique de fabrication Manufacturing process Herstellungsverfahren Tecnica di fabbricazione	tufted, 1/10" cut pile	Poolsamenstelling Nature du velours Pile composition Polmaterial Composizione felpa	PA	Tuftdoek Premier dossier Primary backing Trägermaterial Tela di supporto	woven	Rugtype Envers Secondary backing Rücken Sottofondo	SB/FS
Totale dikte Hauteur totale Total height Gesamthöhe Spessore totale	± 6,0 mm	Nuttige poolhoogte Hauteur de velours utile Effective pile height Tatsächliche Florhöhe Spessore felpa utile	± 4,0 mm	Breedte Largeur Width Breite Altezza	± 400 & 500 cm	Aantal noppen/m ² Nombre de points/m ² Number of knots/sqm Noppenzahl/m ² Numero di punti/mq	± 260040
Poolinzetgewicht/m ² Poids mis en oeuvre/m ² Pile weight/sqm Poleinsatzgewicht/m ² Peso felpa/mq	± 680 gr	Totaal gewicht/m ² Poids total/m ² Total weight/sqm Gesamtgewicht/m ² Peso totale/mq	± 1830 gr	EN 13501-1 Brandgedrag Comportement au feu Fire behaviour Brandverhalten Reazione al fuoco	B_{fl}-s1	EN 1307-2004 Classificatie Classification Classification Klassifizierung Classificazione	Class 23 Domestic Heavy Class 32 Commercial General
ISO 140/8 1997 Contactgeluidsisolatie Isolation aux bruits d'impact Impact sound insulation Trittschallverbesserungsmaß Miglioramento acustico	± 24 dB	ISO 354 Geluidsdempingsvermogen α_s Absorption phonique α_s Sound absorption α_s Schallabsorptionsgrad α_s Grado d'assortimento acustico α_s	± 0,22 1000 Hz	ISO 11654 Geluidsdempingsvermogen α_w Absorption phonique α_w Sound absorption α_w Schallabsorptionsgrad α_w Grado d'assortimento acustico α_w	± 0,20	DIN 52612 Warmtedoorlaatweerstand Résistivité thermique Thermal retention Wärmedurchlaßwiderstand Resistenza termica	± 0,050 m²/kW
TOG rating	± 0,50	ISO 6356 2000 Teil 2: Permanent antistatisch Antistatique permanente Permanently antistatic Permanent antistatisch Antistatico permanente	< 2 kv	ISO 6356 2000 Teil 6: Oppervlakteweerstand RoT Résistance horizontale RoT Surface resistance RoT Oberflächenwiderstand RoT Resistenza in superficie Rot	≤ 10¹⁰ Ω	ISO 10965 1999 Teil 6: Doorgangsweerstand RdT Résistance transversale RdT Vertical resistance RdT Durchgangswiderstand RdT Resistenza ai passaggi RdT	≤ 10⁹ Ω
ISO 105 B02 2000 Lichtechtheid Solidité à la lumière Lightfastness Lichtechtheid Solidità colori alla luce	≥ 6	ISO 105 E01 2002 Waterrechtheid vkleuring Solidité à l'eau changement couleur Waterfastness change in colour Wasserechtheit Änderung der Farbe Solidità colori all'acqua cambio colore	≥ 4-5	ISO 105 E01 2002 Waterrechtheid uitbloeding Solidité à l'eau dégorgement Waterfastness staining Wasserechtheit anbluten Solidità colori all'acqua sfumatura colore	≥ 4-5	ISO 105 X12 2001 Wrijftechtheid droog Solidité au frottement sec Rubbingfastness dry Reibungechtheit trocken Solidità colori allo sfregamento a secco	≥ 4-5
ISO 105 X12 2001 Wrijftechtheid nat Solidité au frottement humide Rubbingfastness wet Reibungechtheit nass Solidità colori allo sfregamento umido	≥ 4-5	Ce produit s'inscrit dans la démarche HQE (F.D.E.S. selon la norme NF P01-10 disponible sur demande). F.D.E.S. = fiche de données environnementales et sanitaires.	HQE	(*) These details are approximate. Complete specification details and associated certificates together with tolerances applying to the above can be provided upon request. We reserve the right to improve technical specifications without prior notice. Due to method of manufacture perfect pattern and/or colour matching cannot be guaranteed. In cut-pile carpeting, in rare cases, shading/pile reversal may occur without affecting its fitness for use. Shading/pile reversal can not be considered as a manufacturing or a material defect and will not affect the durability of the carpet. For other languages see: www.lano.com			

U₃P₃E₁C₀ 10/268



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**Green
signature**
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HQE
REACH
The new EU chemicals legislation