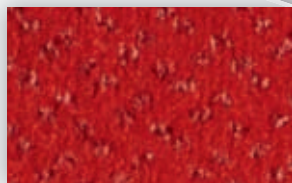




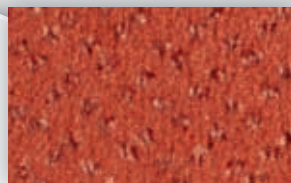
## OPTIMA



▲ SB/FS: OPT.100



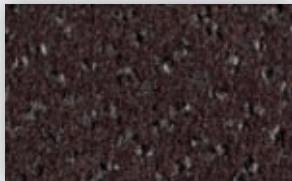
▲ SB/FS: OPT.110 \*



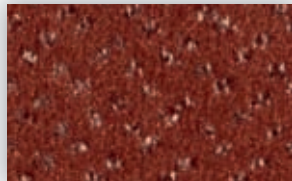
▲ SB/FS: OPT.310



▲ SB/FS: OPT.320



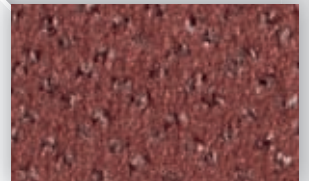
▲ SB/FS: OPT.200



▲ SB/FS: OPT.300 \*



▲ SB/FS: OPT.180



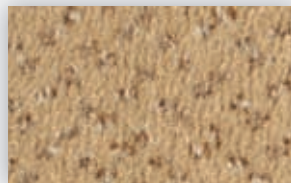
▲ SB/FS: OPT.060



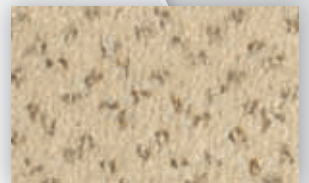
▲ SB/FS: OPT.190 \*



▲ SB/FS: OPT.390



▲ SB/FS: OPT.230 \*



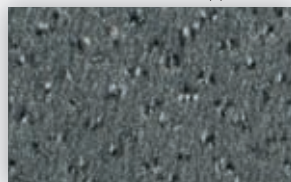
▲ SB/FS: OPT.450



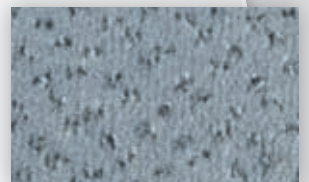
▲ SB/FS: OPT.010



▲ SB/FS: OPT.800 \*



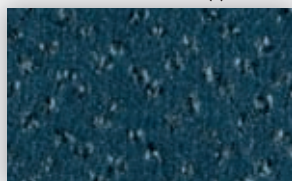
▲ SB/FS: OPT.840 \*



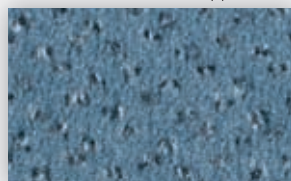
▲ SB/FS: OPT.870



▲ SB/FS: OPT.700



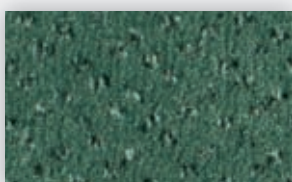
▲ SB/FS: OPT.780



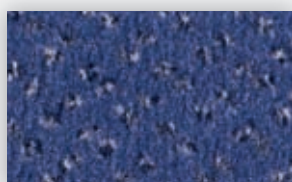
▲ SB/FS: OPT.750



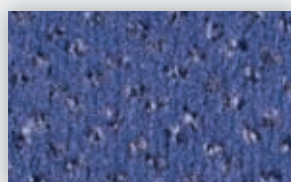
▲ SB/FS: OPT.760



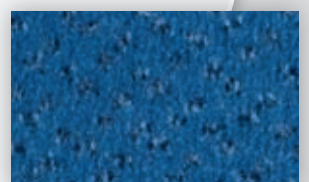
▲ SB/FS: OPT.680



▲ 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**

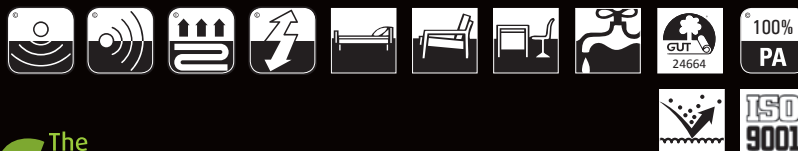
lano carpets for hospitality

**LANO**

Flooring Solutions!

|  |                                       |   |                           |  |                            |  |  |
|--|---------------------------------------|---|---------------------------|--|----------------------------|--|--|
| Fabricagemethode<br>Technique de fabrication<br>Manufacturing process<br>Herstellungsverfahren<br>Tecnica di fabbricazione                                       | <b>tufted,<br/>1/10"<br/>cut pile</b> | Poolsamenstelling<br>Nature du velours<br>Pile composition<br>Polmaterial<br>Composizione felpa   | <b>PA</b>                 | Tuftdoek<br>Premier dossier<br>Primary backing<br>Trägermaterial<br>Tela di supporto   | <b>woven</b>               | Rugtype<br>Envers<br>Secondary backing<br>Rücken<br>Sottofondo   | <b>SB/FS</b>   |
| Totale dikte<br>Hauteur totale<br>Total height<br>Gesamthöhe<br>Spessore totale  | <b>± 6,0 mm</b>                       | Nuttige poolhoogte<br>Hauteur de velours utile<br>Effective pile height<br>Tatsächliche Florhöhe<br>Spessore felpa utile  | <b>± 4,0 mm</b>           | Breedte<br>Largeur<br>Width<br>Breite<br>Altezza   | <b>± 400 &amp; 500 cm</b>  | Aantal noppen/m <sup>2</sup><br>Nombre de points/m <sup>2</sup><br>Number of knots/sqm<br>Noppenzahl/m <sup>2</sup><br>Numero di punti/mq                            | <b>± 260040</b>  |
| Poolinzetgewicht/m <sup>2</sup><br>Poids mis en oeuvre/m <sup>2</sup><br>Pile weight/sqm<br>Poleinsatzgewicht/m <sup>2</sup><br>Peso felpa/mq                    | <b>± 680 gr</b>                       | Totaal gewicht/m <sup>2</sup><br>Poids total/m <sup>2</sup><br>Total weight/sqm<br>Gesamtgewicht/m <sup>2</sup><br>Peso totale/mq   | <b>± 1830 gr</b>          | EN 13501-1<br>Brandgedrag<br>Comportement au feu<br>Fire behaviour<br>Brandverhalten<br>Reazione al fuoco  | <b>B<sub>fl</sub>-s1</b>   | EN 1307-2004<br>Classificatie<br>Classification<br>Classification<br>Klassifizierung<br>Classificazione  | <b>Class 23<br/>Domestic Heavy<br/>Class 32<br/>Commercial General</b> |
| ISO 140/8 1997<br>Contactgeluidsisolatie<br>Isolation aux bruits d'impact<br>Impact sound insulation<br>Trittschallverbesserungsmaß<br>Miglioramento acustico    | <b>± 24 dB</b>                        | ISO 354<br>Geluidsdempingsvermogen $\alpha_s$<br>Absorption phonique $\alpha_s$<br>Sound absorption $\alpha_s$<br>Schallabsorptionsgrad $\alpha_s$<br>Grado d'assortimento acustico $\alpha_s$        | <b>± 0,22<br/>1000 Hz</b> | ISO 11654<br>Geluidsdempingsvermogen $\alpha_w$<br>Absorption phonique $\alpha_w$<br>Sound absorption $\alpha_w$<br>Schallabsorptionsgrad $\alpha_w$<br>Grado d'assortimento acustico $\alpha_w$   | <b>± 0,20</b>              | DIN 52612<br>Warmtedoorlaatweerstand<br>Résistivité thermique<br>Thermal retention<br>Wärmedurchlaßwiderstand<br>Resistenza termica                                  | <b>± 0,050<br/>m<sup>2</sup>/kW</b>                                    |
| TOG rating   | <b>± 0,50</b>                         | ISO 6356 2000 Teil 2:<br>Permanent antistatisch<br>Antistatique permanente<br>Permanently antistatic<br>Permanent antistatisch<br>Antistatico permanente  | <b>&lt; 2 kv</b>          | ISO 6356 2000 Teil 6:<br>Oppervlakteweerstand RoT<br>Résistance horizontale RoT<br>Surface resistance RoT<br>Oberflächenwiderstand RoT<br>Resistenza in superficie Rot   | <b>≤ 10<sup>10</sup> Ω</b> | ISO 10965 1999 Teil 6:<br>Doorgangsweerstand RdT<br>Résistance transversale RdT<br>Vertical resistance RdT<br>Durchgangswiderstand RdT<br>Resistenza ai passaggi RdT | <b>≤ 10<sup>9</sup> Ω</b>  |
| ISO 105 B02 2000<br>Lichtechtheid<br>Solidité à la lumière<br>Lightfastness<br>Lichtechtheid<br>Solidità colori alla luce  | <b>≥ 6</b>                            | ISO 105 E01 2002<br>Waterrechtheid vkleuring<br>Solidité à l'eau changement couleur<br>Waterfastness change in colour<br>Wasserechtheit Änderung der Farbe<br>Solidità colori all'acqua cambio colore | <b>≥ 4-5</b>              | ISO 105 E01 2002<br>Waterrechtheid uitbloeding<br>Solidité à l'eau dégorgement<br>Waterfastness staining<br>Wasserechtheit anbluten<br>Solidità colori all'acqua sfumatura colore  | <b>≥ 4-5</b>               | ISO 105 X12 2001<br>Wrijftechtheid droog<br>Solidité au frottement sec<br>Rubbingfastness dry<br>Reibungechtheit trocken<br>Solidità colori allo sfregamento a secco | <b>≥ 4-5</b>   |
| ISO 105 X12 2001<br>Wrijftechtheid nat<br>Solidité au frottement humide<br>Rubbingfastness wet<br>Reibungechtheit nass<br>Solidità colori allo sfregamento umido | <b>≥ 4-5</b>                          | 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.                                    | <b>HQE</b>                | (*) 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: <a href="http://www.lano.com">www.lano.com</a> |                            |  |  |

U<sub>3</sub>P<sub>3</sub>E<sub>1</sub>C<sub>0</sub> 10/268



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