Desso Essence

31 Trendy Colours Affordable Design Optional EcoBase Backing

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TECHNICAL DATA SHEET

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Yarn Type100% Solution Dyed BCF Polyamide 6GaugeISO 2424 $1/10^{\circ}$ Primary BackingISO 2424Polyester FleeceSecondary BackingISO 2424DESSO ProBase Polyver® - Polyscan®Number of StitchesISO 1763 $1580/dm^2$ Pile WeightISO 8543 $500 g/m^2$ 14.8 oz/yd²Total WeightISO 8543 $3900 g/m^2$ Pile DensityISO 8543 $0.119 g/cm^3$ Thickness of pile above substrateISO 1766 $2.6mm (+/0.5mm)$ Total ThicknessISO 1765 $5.5mm(+/-0.5mm)$ DimensionEN 994 $500mm x 500mm$ Installation Methods Y $20 /5m^2$ Performance CharacteristicsStandardsDesso EssenceReaction to fireISO 485 9239-1Critical Radiant Flux 8.8kW/m2 Smoke - 192% minElectrostatic propertiesISO 8302 $0.040 m2 K/W$ Dimensional StabilityEN 986 $<0.2\%$	Product Characteristics	Standards	Desso Essence
Gauge ISO 2424 I/10" Primary Backing ISO 2424 Polyester Fleece Secondary Backing ISO 2424 DESSO ProBase Polyver® - Polyscan® Number of Stitches ISO 1763 1580/dm² Pile Weight ISO 8543 500 g/m² 14.8 oz/yd² Total Weight ISO 8543 3900 g/m² Pile Density ISO 8543 0.119 g/cm³ Thickness of pile above substrate ISO 1766 2.6mm (+/-0.5mm) Total Thickness ISO 1765 5.5mm(+/-0.5mm) Total Thickness ISO 1765 5.5mm(+/-0.5mm) Dimension EN 994 500mm x 500mm Installation Methods Iso 1765 5.5mm(+/-0.5mm) Tiles per box/area 20 /5m² Warranty Iso 9a4 500mm x 500mm Performance Characteristics Standards Desso Essence Reaction to fire ISO 4S 9239-1 Critical Radiant Flux 8.8kW/m2 Smoke - 192%, min Electrostatic properties ISO 6356 <2.kV	Product Construction	ISO 2424	Loop Pile
Primary BackingISO 2424Polyester FleeceSecondary BackingISO 2424DESSO ProBase Polyver® - Polyscan®Number of StitchesISO 17631580/dm²Pile WeightISO 8543500 g/m² 14.8 oz/yd²Total WeightISO 85433900 g/m²Pile DensityISO 85430.119 g/cm³Thickness of pile above substrateISO 17662.6mm (+/-0.5mm)Total ThicknessISO 17655.5mm(+/-0.5mm)Total ThicknessISO 17655.5mm(+/-0.5mm)DimensionEN 994500mm x 500mmDimensionEN 994500mm x 500mmPerformance CharacteristicsStandardsPesso EssencePerformance CharacteristicsStandardsStandardsReaction to fireISO 6356<2 kV	Yarn Type		100% Solution Dyed BCF Polyamide 6
Secondary BackingISO 2424DESSO ProBase Polyver®- Polyscan®Number of StitchesISO 17631580/dm²Pile WeightISO 8543500 g/m² 14.8 oz/yd²Total WeightISO 85433900 g/m²Pile DensityISO 85430.119 g/cm³Thickness of pile above substrateISO 17662.6mm (+/-0.5mm)Total ThicknessISO 17655.5mm(+/-0.5mm)Total ThicknessISO 17655.5mm(+/-0.5mm)DimensionEN 994500mm x 500mmDimensionEN 994500mm x 500mmTiles per box/area20 /5m²Performance CharacteristicsStandardsDesso EssenceReaction to fireISO 4S 9239-1Critical Radiant Flux 8.8kW/m2 Smoke - 192%.minElectrostatic propertiesISO 6356 $2 kV$ Thermal ResistanceISO 83020.040 m2 K/WDimensional StabilityEN 986 2.2% Noise ReductionISO 354 a_w =0.15	Gauge	ISO 2424	1/10"
Number of Stitches ISO 1763 1580/dm² Pile Weight ISO 8543 500 g/m² 14.8 oz/yd² Total Weight ISO 8543 3900 g/m² Pile Density ISO 8543 0.119 g/cm³ Pile Density ISO 8543 0.119 g/cm³ Thickness of pile above substrate ISO 1766 2.6mm (+/-0.5mm) Total Thickness ISO 1765 5.5mm(+/-0.5mm) Dimension EN 994 500mm x 500mm Installation Methods Enck, Quarter Turn Tiles per box/area 20 /5m² Warranty 15 years Performance Characteristics Standards Reaction to fire ISO 85929-1 Electrostatic properties ISO 8302 ISO 8302 0.040 m2 K/W Dimensional Stability EN 986 Noise Reduction ISO 354	Primary Backing	ISO 2424	Polyester Fleece
Pile WeightISO 8543500 g/m² [14.8 oz/yd²Total WeightISO 85433900 g/m²Pile DensityISO 8543 $900 g/m²$ Pile DensityISO 8543 $0.119 g/cm³$ Thickness of pile above substrateISO 1766 $2.6mm (+/-0.5mm)$ Total ThicknessISO 1765 $5.5mm(+/-0.5mm)$ Total ThicknessISO 1765 $5.5mm(+/-0.5mm)$ DimensionEN 994 $500mm x 500mm$ DimensionEN 994 $500mm x 500mm$ Tiles per box/area $20 / 5m²$ Warranty15 yearsPerformance CharacteristicsStandardsReaction to fireISO AS 9239-1Electrostatic propertiesISO 6356 $< 2 kV$ Thermal ResistanceISO 8302Dimensional StabilityEN 986ISO 354 $a_w = 0.15$	Secondary Backing	ISO 2424	DESSO ProBase Polyver® - Polyscan®
Total WeightISO 8543 3900 g/m^2 Pile DensityISO 8543 0.119 g/cm^3 Thickness of pile above substrateISO 1766 $2.6mm (+/-0.5mm)$ Total ThicknessISO 1765 $5.5mm(+/-0.5mm)$ Total ThicknessISO 1765 $5.5mm(+/-0.5mm)$ DimensionEN 994 $500mm x 500mm$ Installation MethodsEN 994 $500mm x 500mm$ Tiles per box/area $20 / 5m^2$ Warranty15 yearsPerformance CharacteristicsStandardsReaction to fireISO AS 9239-1Electrostatic propertiesISO 6356ISO 8302 0.040 m2 K/W Thermal ResistanceISO 8302Dimensional StabilityEN 986Solos EductionISO 354Answer - 192% $a_w = 0.15$	Number of Stitches	ISO 1763	1580/dm ²
Pile DensityISO 8543 0.119 g/cm^3 Thickness of pile above substrateISO 1766 $2.6 \text{mm} (+/-0.5 \text{mm})$ Total ThicknessISO 1765 $5.5 \text{mm} (+/-0.5 \text{mm})$ DimensionEN 994 $500 \text{mm} \times 500 \text{mm}$ Installation MethodsFrick, Quarter TurnTiles per box/area $20 / 5 m^2$ WarrantyISO AS 9239-1IS yearsPerformance CharacteristicsStandardsDesso EssenceReaction to fireISO 8302 0.40 m2 K/W Thermal ResistanceISO 8302 0.40 m2 K/W Dimensional StabilityISO 354 $\alpha_w = 0.15$	Pile Weight	ISO 8543	500 g/m ² 14.8 oz/yd ²
Thickness of pile above substrateISO 1766 $2.6 mm (+/-0.5 mm)$ Total ThicknessISO 1765 $5.5 mm (+/-0.5 mm)$ DimensionEN 994 $500 mm x 500 mm$ Installation MethodsEN 994Brick, Quarter TurnTiles per box/area $20 / 5m^2$ Warranty15 yearsPerformance CharacteristicsStandardsStandardsDesso EssenceReaction to fireISO 4SS 9239-1Critical Radiant Flux 8.8kW/m2 Smoke - 192%.minElectrostatic propertiesISO 6356 $2 k V$ Thermal ResistanceISO 8302 $0.040 m2 K/W$ Dimensional StabilityEN 986 $\le 0.2\%$ Noise ReductionISO 354 $a_w = 0.15$	Total Weight	ISO 8543	3900 g/m ²
Total ThicknessISO 1765 $5.5mm(+/-0.5mm)$ DimensionEN 994 $500mm \times 500mm$ Installation MethodsBrick, Quarter TurnTiles per box/area $20 / 5m^2$ Warranty15 yearsPerformance CharacteristicsStandardsDesso EssenceReaction to fireISO AS 9239-1Critical Radiant Flux 8.8kW/m2 Smoke - 192%.minElectrostatic propertiesISO 6356 $< 2 kV$ Thermal ResistanceISO 8302 $0.040 m2 K/W$ Dimensional StabilityEN 986 $< 0.2\%$ Noise ReductionISO 354 $a_w = 0.15$	Pile Density	ISO 8543	0.119 g/cm ³
DimensionEN 994500mm x 500mmInstallation MethodsBrick, Quarter TurnTiles per box/area $20 / 5m^2$ Warranty15 yearsPerformance CharacteristicsStandardsDesso EssenceReaction to fireISO AS 9239-1Electrostatic propertiesISO 6356Volter Turnal ResistanceISO 8302Dimensional StabilityEN 986Solo 354 a_w = 0.15	Thickness of pile above substrate	ISO 1766	2.6mm (+/-0.5mm)
Installation Methods Brick, Quarter Turn Tiles per box/area 20 /5m² Warranty 15 years Performance Characteristics Standards Desso Essence Reaction to fire ISO AS 9239-1 Critical Radiant Flux 8.8kW/m2 Smoke - 192%.min Electrostatic properties ISO 6356 <2 kV	Total Thickness	ISO 1765	5.5mm(+/-0.5mm)
Tiles per box/area20 /5m²Warranty15 yearsPerformance CharacteristicsStandardsDesso EssenceReaction to fireISO AS 9239-1Critical Radiant Flux 8.8kW/m2 Smoke - 192%.minElectrostatic propertiesISO 6356<2 kVThermal ResistanceISO 83020.040 m2 K/WDimensional StabilityEN 986<0.2%Noise ReductionISO 354 a_w = 0.15	Dimension	EN 994	500mm x 500mm
Warranty 15 years Performance Characteristics Standards Desso Essence Reaction to fire ISO AS 9239-1 Critical Radiant Flux 8.8kW/m2 Smoke - 192%.min Electrostatic properties ISO 6356 <2 kV	Installation Methods		Brick, Quarter Turn
Performance CharacteristicsStandardsDesso EssenceReaction to fireISO AS 9239-1Critical Radiant Flux 8.8kW/m2 Smoke - 192%.minElectrostatic propertiesISO 6356<2 kV	Tiles per box/area		20 /5m ²
Reaction to fireISO AS 9239-1Critical Radiant Flux 8.8kW/m2 Smoke - 192%.minElectrostatic propertiesISO 6356 $< 2 kV$ Thermal ResistanceISO 8302 $0.040 m2 K/W$ Dimensional StabilityEN 986 $< 0.2\%$ Noise ReductionISO 354 a_w = 0.15	Warranty		15 years
Reaction to fire ISO AS 9239-1 Smoke - 192%.min Electrostatic properties ISO 6356 <2 kV	Performance Characteristics	Standards	Desso Essence
Thermal Resistance ISO 8302 0.040 m2 K/W Dimensional Stability EN 986 $\leq 0.2\%$ Noise Reduction ISO 354 $a_w = 0.15$	Reaction to fire	ISO AS 9239-1	
Dimensional Stability EN 986 ≤ 0.2% Noise Reduction ISO 354 a _w = 0.15	Electrostatic properties	ISO 6356	<2 kV
Noise Reduction ISO 354 $a_w = 0.15$	Thermal Resistance	ISO 8302	0.040 m2 K/W
	Dimensional Stability	EN 986	≤ 0.2%
Impact Sound Reduction ISO 10140 $\Delta L_w 24 \text{ dB}$	Noise Reduction	ISO 354	α _w = 0.15
	Impact Sound Reduction	ISO 10140	$\Delta L_{W} 24 \text{ dB}$

Recommended specification clauses for your project:

1. Product must be Tarkett carpet tile number starting with 711446.

2. 100% Recycled Solution Dyed Nylon 6 yarn carpet tiles with 500mm x 500mm with ProBase™ backing.

3.15 year commercial manufacturer's warranty.

4. Must be installed as per manufacturer's instructions.

The information in this data sheet is correct at date of publication however, due to Tarkett's commitment for ongoing product improvement, we reserve the right to change this information without notice. Please note that Tarkett's instructions regarding installation, cleaning and maintenance must be observed. Please contact Tarkett for further information on these instructions.



Disclaimer: Please note that products in photos are installed for creative purposes and not according to technical specifications. Please refer to Tarkett installation instructions for guidance.

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