

CUSTOMER REFERENCE  
**DESSO DESERT**

Sample description as provided by customer

Pile Weight Mass/unit area **580 g/m<sup>2</sup>**

Order No. **RK**  
Pile Fibre Content **100% SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **MODIFIED BITUMEN**

Colour **Various**

Style **STRUCTURED LOOP PILE**

Pile Height **2.5 mm**

The Samples Tested Were **Modular Carpet**

TEST METHOD ISO 9239-1(2010 06-15) Determination of the Burning Behaviour using a radiant heat source As required by the New Zealand Building Code Clause C3.4 (b) (April 2012)

The test values relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product. Clause 10 ( o ) of ISO 9239-1:2010.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **Mar 2016**

Test Date

## ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **TARKETT CARPET TILE** adhesive.

Substrate: **Non-Combustible**

Substrate - **6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.**

The Holding Torque on Specimen Frame was **2Nm.**

Initial Test Specimen 1 Length Direction Critical Radiant Flux **8.7 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **8.8 kW/m<sup>2</sup>**



Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>8.7</b>	<b>8.5</b>	<b>8.7</b>	<b>8.6</b>

The value quoted below is as required by the New Zealand Building Code Clause C3.4 (b) (April 2012) "Minimum critical radiant flux when tested to ISO 9239-1:2010". Hence the Radiant Flux quoted is the value at Flame-Out/Extinguishment Not after a 30 minute burn as used in Europe.

## MEAN CRITICAL RADIANT FLUX **8.6 kW/m<sup>2</sup>**

OBSERVATIONS: **The samples shrunk away from the heat source, ignited and burnt a short distance.**

 <b>NATA</b> <small>ACCREDITED FOR TECHNICAL COMPETENCE</small>	<b>M. B. Webb</b> Technical Manager	
	DATE: 30/3/2016	
	Performance & Approvals Testing No. 15393	
	Accredited for compliance with ISO/IEC 17025.	

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Clause 10 ( o ) of ISO 9239-1:2010

The values on Page 2 have no relevance to the Code.

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**TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS**

Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	217	218	415	452	702	/												
2	247	248	328	465	550	/												
3	223	224	351	501	652	/												

**TESTS**

**BURNING CHARACTERISTICS**

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: <b>Width</b>	221	952
Specimen Tests: <b>Length</b>		
1	220	932
2	230	1,039
3	222	952
<b>Mean</b>	224	974

**M. B. Webb**  
 Technical Manager

DATE: 30/3/2016

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The laboratory does not allow the use of this page of the report without the use of page 1.  
 This page alone has no validity under Clause 10 ( o ) of ISO 9239-1:2010  
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