

## LIA LABORATORY DECISION SHEET

Standard(s) (incl. year)	Subclause(s)	Enquiry No.	Year
Building regulations 2010, Approved document B Volume 2, 2019; BS 2782-0:2011; BS EN ISO 291:2008	Clause B13; Section 10; Sections 5 and 8	EF-1 LIA_10_2020	2020
		<b>Decision No.</b>	
		DS-1 LIA_10_2020	
<b>Subject</b>	<b>Keywords</b>		
Preconditioning of material/product for TP(a)/TP(b) assessment	Preconditioning		
<b>Question</b>			
What is the procedure of conditioning of material/product for TP(a)/TP(b) assessment?			
<b>Decision</b>			
Material/product shall be conditioned before the test as described by BS EN ISO 291, section 8 – 23°C, 50% humidity, 88 hours.			
<b>Explanatory Notes</b>			
<p>The Building regulations 2010, Approved document B Volume 2, 2019, clause B13 specifies that any other rigid thermoplastic product (as specified by clause B13, a. / b. TP(a) rigid / TP(b) flexible) shall be tested to BS 2782-0 Method 508.</p> <p>TP(a)</p> <p>iv. any other rigid thermoplastic product, a specimen of which (at the thickness of the product as put on the market), when tested to <b>BS 2782-0</b> Method 508A, performs so that both:</p> <ul style="list-style-type: none"> <li>• the test flame extinguishes before the first mark</li> <li>• the duration of flaming or afterglow does not exceed 5 seconds following removal of the burner.</li> </ul> <p>TP(b)</p> <p>ii. other products which, when a specimen of the material between 1.5 and 3mm thick is tested in accordance with <b>BS 2782-0</b> Method 508A, have a maximum rate of burning of 50mm/minute.</p> <p>Standard BS 2782-0, section 10 Standard atmospheres for conditioning and testing, specifies that</p>			

the standard atmospheres for conditioning and testing are given in BS EN ISO 291.

BS EN ISO 291, section 5 Standard atmosphere specifies Standard atmospheres

**Table 1 — Standard atmospheres**

Symbol for standard atmosphere	Air temperature °C	Relative humidity (RH) %	Remarks
23/50	23	50	Shall be used unless otherwise specified
27/65	27	65	May be used for tropical countries if agreed on by all parties

Then section 8.1 Conditioning a) requires to product/material shall be conditioned at least for 88hours at 23°C, 50% humidity before the start of the test.

Date	Name	Signature
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