

HEATER MAT

A1HBMXX-AB
A1HBMDXX-AB

HEATER MAT

Our heater mats are especially designed for composite structure repairs using vacuum bagging techniques.

Made of silicone, robust, our mat heater range offers rapid heat-up, steady temperature, and uniform heat distribution.

The mats are designed in rectangular and circular shapes. With the possibility of designing mats in other shapes.

A certificate of homogeneity is supplied with the heating mat.



Complies with aeronautical norms

IDEAL FOR

- ✓ Standard repairs

ADVANTAGES

- ✓ Fit perfectly the shape
- ✓ Excellent heat uniformity
- ✓ Exceptional durability
- ✓ Thermal Survey Certificate

MAIN FEATURES

- ✓ Supplied with Aeroform plugs
- ✓ 3m long leads
- ✓ Connect to Hot Bonder
- ✓ Connect to IR Lamp IRPE

OPTIONS

- ✓ Multizone heater mat
- ✓ Various shapes & sizes available
- ✓ Different watt density

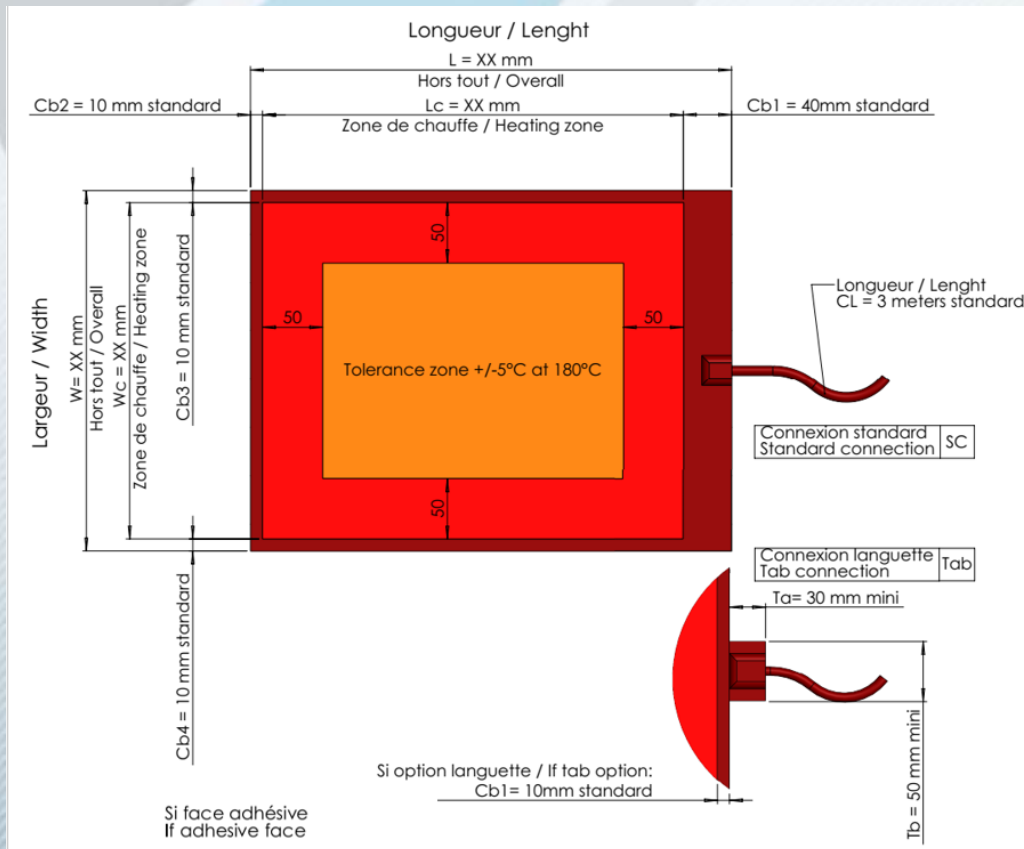
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SPECIFICATIONS & FEATURES:

Heat-Tolerance	Heat-Tolerance	180°C
	Max Temperature	180°C
Electric Properties	Input power	220V by default (*)
	Capacity Tolerance	+/- 10%
	Insulation Resistance	1000MΩ
	Standard Watt Density	0,8 W/cm ²
Size	Max Length / Max heated zone	3000 mm / 2950 mm
	Max Width / Max heated zone	940 mm / 920 mm
	Thickness	2.2 mm

(*) Also available on 110V.



EXAMPLE OF A CERTIFICATE OF HOMOGENEITY:



Heater mat A1SHBM3030
S/N: AS1155310-15
Test N° AS1155310-15

Thermal Blanket Temperature Uniformity Test Record

Heat blanket Serial Number: AS1155310-15

Heat blanket size: 310 mm x 345 mm

Controller TC temperature: 176 °C

Maximum temperature: 181,5 °C
(Excluding the outer 90,0/55,0mm)

Average temperature: 178,3 °C

Electrical resistance circuit: 75,5 ohm

According to Boeing specification D6-56273

Maximum allowed delta of temperature: 10°C

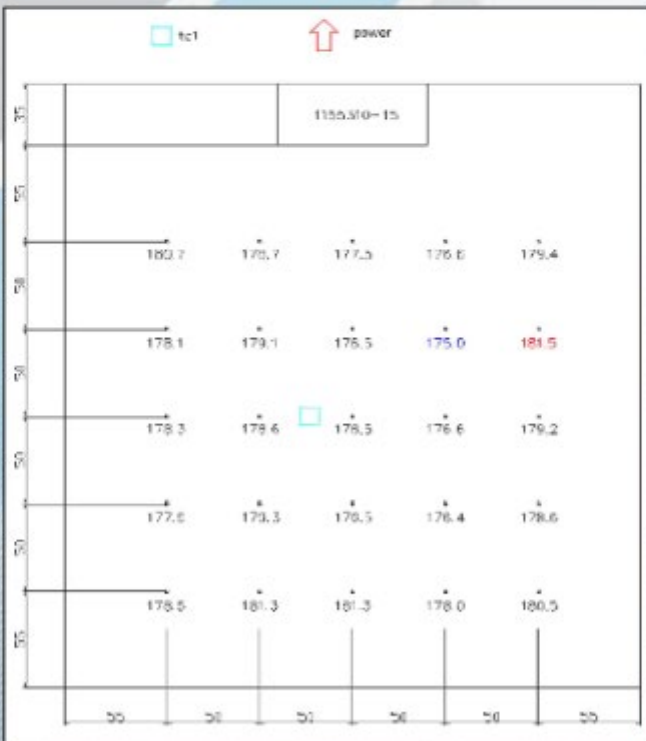
Minimum temperature: 175,0 °C
(Excluding the outer 90,0/55,0mm)

Delta Temperature: 6,5 °C


Test result: PASS

Date of test: 30/01/2020

QA verification: A. ISMAEL



Time	tc1 (°C)	power
00:00	180.7	
00:05	178.1	
00:10	178.3	
00:15	177.6	
00:20	178.5	
00:25	177.6	
00:30	177.6	
00:35	177.6	
00:40	177.6	
00:45	177.6	
00:50	177.6	
00:55	177.6	
01:00	177.6	181.5
01:05	178.1	
01:10	178.3	
01:15	178.3	
01:20	178.3	
01:25	178.3	
01:30	178.3	
01:35	178.3	
01:40	178.3	
01:45	178.3	
01:50	178.3	
01:55	178.3	
02:00	178.3	



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