

### Sound Absorption Test results

According to ASTM C423  
Mounting A according to ASTM E795



Frequency (Hz)	Type 1 2" (50mm nominal) Absorption Coefficient	Type 2 2" (50mm) nominal Absorption Coefficient
80	0.17	0.05
100	0.15	0.19
125	0.19	0.32
160	0.43	0.56
200	0.58	0.80
250	0.79	1.06
315	0.99	1.20
400	1.13	1.26
500	1.16	1.23
630	1.17	1.20
800	1.17	1.17
1000	1.14	1.11
1250	1.12	1.08
1600	1.10	1.08
2000	1.06	1.06
2500	1.07	1.04
3150	1.07	1.05
4000	1.07	1.06
5000	1.08	1.07
6300	1.11	1.08
NRC	1.05	1.10

### Installation Guidelines

OFI HT blanket insulations, both Type 1 and Type 2, may be applied directly to any hot surface. This is normally accomplished by securing through the use of welded studs and nuts or pins and speed washers and then providing a final covering of sheet metal, expanded metal, metal mesh or cementitious mastics. If pins and speed washers are incorporated then it must be ensured that the insulation is not compressed under the washers. Whichever fasteners are used for securing spacing is suggested to be no more than 4 inches in from each corner and no more than 16 inches on centre in either direction over the field on the insulation. Multiple staggered layers of insulation should be used to ensure good insulation coverage and eliminate hot spots.

### Specifications Compliance

<b>ASTM C553</b>	Mineral Fiber Blanket Insulation Types I,II, V & VI (replaces CGSB Can/CGSB 51.11-92 Type 2, Class 4)
<b>ASTM C795-92</b>	"Test Method for Evaluating the Influence of Thermal Insulations on the External Steel Corrosion Cracking Tendency of Austenitic Stainless Steel"
<b>Can/CGSB 51.11</b>	Type 2 Class 4. UL & ULC Listed



## HT Blanket (High Temperature Blanket)

### Specification Data

#### Description

OFI HT Blanket insulations are off-white, non-combustible inorganic glass fibers bonded with a low percentage of thermosetting resin. HT blankets will not corrode (steel, copper, aluminum), rot, promote fungus and are moisture resistant. HT blankets are easy to handle, cut with a knife and install. HT blankets contain over 60% recycled glass content.

#### Application

HT Types 1 & 2 are designed for use on industrial equipment operating at temperatures up to 1000°F (538°C). Type 1 can be used on panel systems, as a flexible wrap, on industrial ovens. Type 2 can be used for metal mesh blankets, on boilers, vessels and other industrial equipment operating at temperatures up to 1000°F (538°C).

#### Dimensions: Batts and Rolls

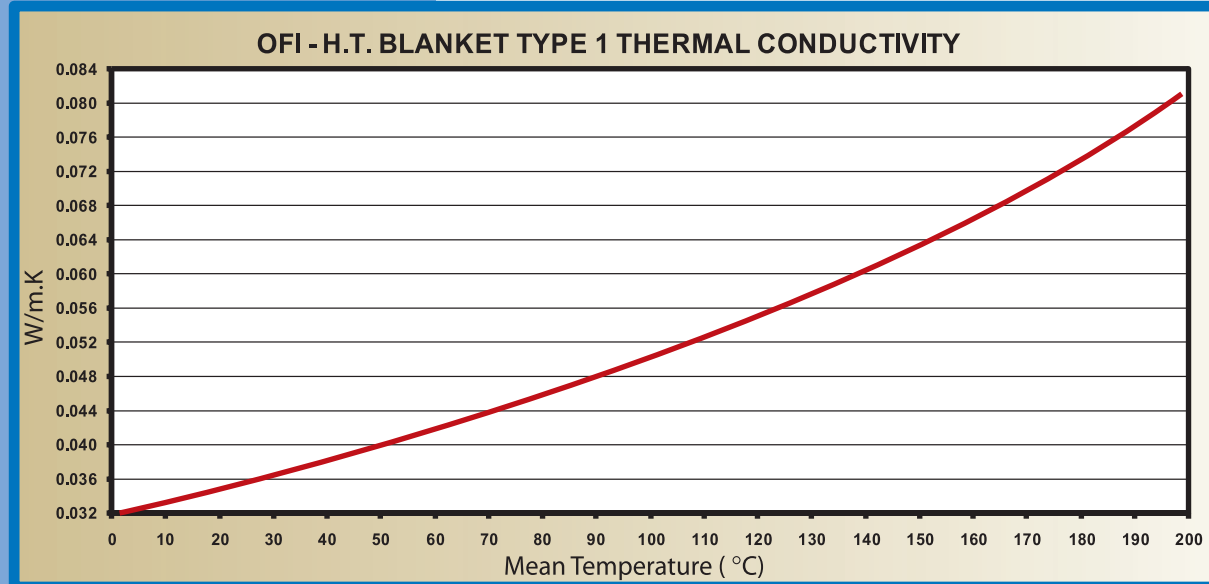
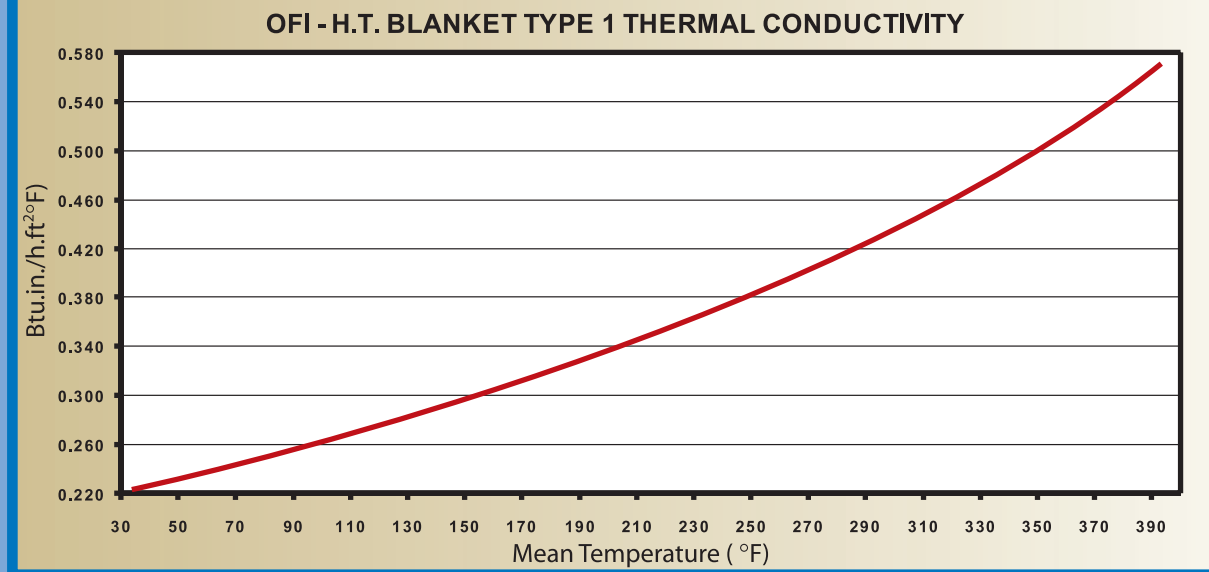
Thickness	2" (50 mm)	2.5" (64 mm)	3" (76 mm)	3.5" (89 mm)	4" (102 mm)
<b>Type 1: Rolls</b>	Length				
Width	Length				
24" (610 mm)	70' (21.3 m)	55' (16.8m)	40' (12.2m)	35' (10.7m)	30' (9.1m)
36" (914 mm)	70' (21.3m)	55' (16.8 m)	40' (12.2m)	35'(10.7m)	30' (9.1m)
72" (1829mm)	70' (21.3 m)	55' (16.8m)	40' (12.2m)	35' (10.7m)	30' (9.1m)

Thickness		1.0" (25.4mm)	1.5" (38mm)	2.0" (50mm)	2.5" (64mm)	3.0" (76mm)	3.5" (89mm)	4.0" (102mm)
<b>Type 1: Batts</b>	24"x48"(610mmx1219mm)			•	•	•	•	•
	24"x96" (610mmx2438mm)			•	•	•	•	•
<b>Type 2: Batts</b>	24"x48"(610mmx1219mm)	•	•	•	•	•	•	•
	24"x96" (610mmx2438mm)	•	•	•	•	•	•	•

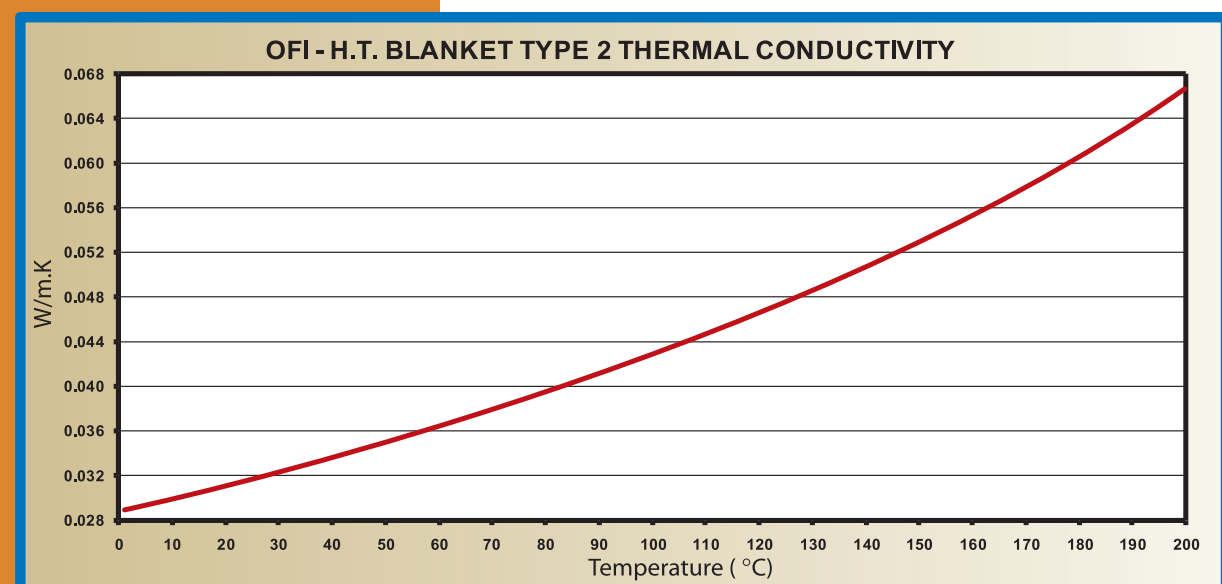
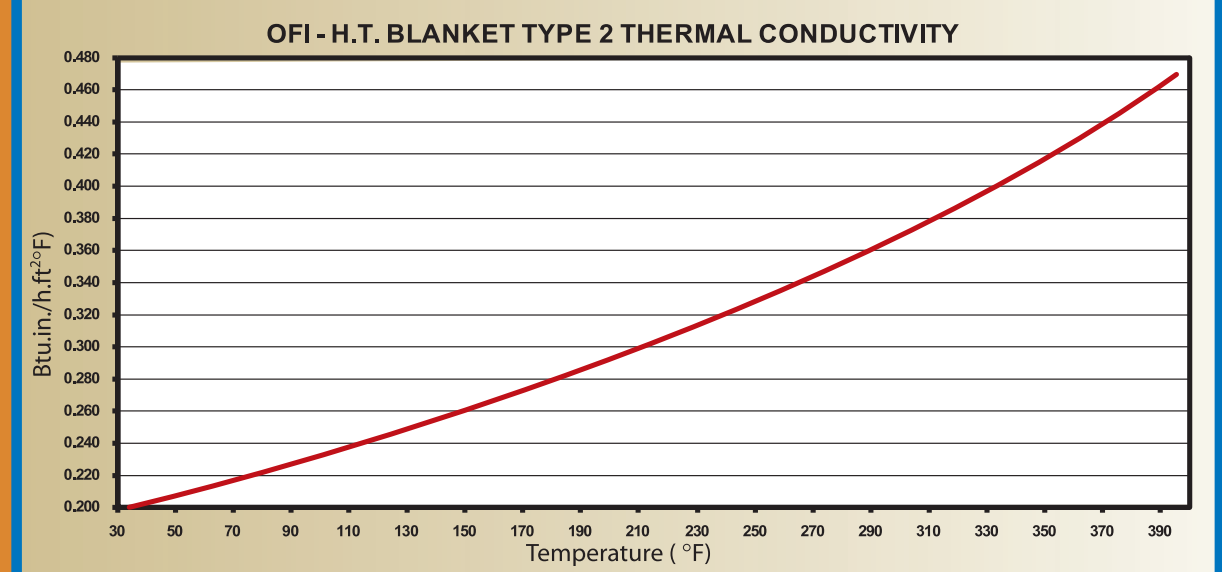
For SKU's not shown on this submittal sheet please contact your distributor for availability and/or minimum order requirements.

## Performance Data

### TYPE 1



### TYPE 2



**Density:** Type 1; 1.25lb/ft<sup>3</sup> (nominal) 20kg/m<sup>3</sup> Type 2; 2.5lb/ft<sup>3</sup> (nominal) 40kg/m<sup>3</sup>

#### Performance

Temperature Limit (ASTM C-411)	up to 1000°F (538°C)
Moisture Absorption	Less than 1% by volume
Bacterial and Fungus Resistance (ASTM C1338-96)	Does not breed or promote

#### Sound Absorption

ASTM C423-90a (E795 Type A) Type 1	NRC = 1.05
ASTM C423-90a (E795 Type A) Type 2	NRC = 1.10
Surface Burning Characteristics (ASTM E-84 and UL 723)	Flame spread < 25 Smoke developed < 50