

## HEXAGON

Product Code: TLS634, TLS630, TLS632

### Specification

- Composition: 100 % polyester (recycled PET appx. 50 %)
- Material Weight: 6mm: 1300g/m<sup>2</sup> (+/- 5%)  
12mm: 2600g/m<sup>2</sup> (+/- 5%)
- Material Thickness: 6mm / 12mm Natural & Mandarin colors (+/- 10 %)
- Product Weight:
 

6mm / Natural / 40x40cm: 0,09 kg	12mm / Natural / 40x40cm: 0,20 kg
60x60cm: 0,24 kg	60x60cm: 0,54 kg
120x120cm: 0,61 kg	120x120cm: 1,36 kg
per pcs. (+/- %5)	per pcs. (+/- %5)
6mm / Mandarin / 40x40cm: kg	12mm / Mandarin / 40x40cm: kg
60x60cm: kg	60x60cm: kg
120x120cm kg	120x120cm kg
per pcs. (+/- %5)	per pcs. (+/- %5)

### Performance

- Acoustic Rates: 6mm Natural: NRC (EN-11654)  
6mm Mandarin: 0.25 NRC (EN-11654)  
6mm Natural + Feltfill: NRC (EN-11654)  
6mm Mandarin + Feltfill: 0.95 NRC (EN-11654)  
12mm Natural: 0.40 NRC (EN-11654)  
12mm Mandarin: NRC (EN-11654)  
12mm Natural + Feltfill: 1.00 NRC (EN-11654)  
12mm Mandarin + Feltfill: NRC (EN-11654)
- Fire Rates: B, S1, d0 (EN-13501)
- Light fastness: 6+ (ISO-105 B02)
- MAS Certified Green - CDPH Standard Method v1.2  
Low VOC / Eligible for LEED v4
- Health : 99.9 % Antibacterial (ISO-20743)
- Formaldehyde-free (ISO-14184)
- Moisture Absorption: >0.03 % by weight  
(50°C/122°F at 90% relative humidity)
- Thermal insulating: 0,040 W/mK

### Key Features & Benefits

- Available in 7 Natural colours & 33 Mandarin colours.
- Highly durable providing long-term stability and performance.
- Safe, non-toxic, non-irritant & without red list chemical binders.
- Recycled and recyclable.

### Care

- Easy to clean with a damp cloth or vacuum cleaner.
- Indoor use only.

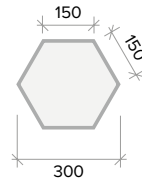
### Installation

- Prior to installation, walls and surfaces must be clean, dust-free and void of any defects or imperfections. Contact-type adhesive for applying plate on surfaces such as plasterboard, concrete, block, plywood, MDF and particleboard. Feltouch recommends Pattex PL600 & Liquid Nails LN-2000 or equiv-alent adhesive with a glue gun.

### Dimensions(mm):

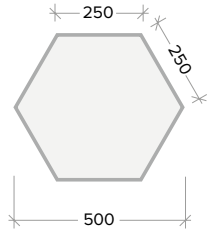
#### TLS634

L: 300mm  
W: 300mm



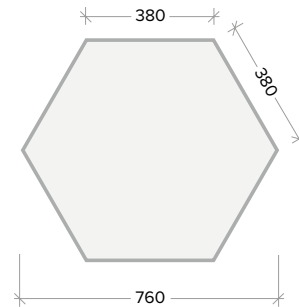
#### TLS630

L: 500mm  
W: 500mm

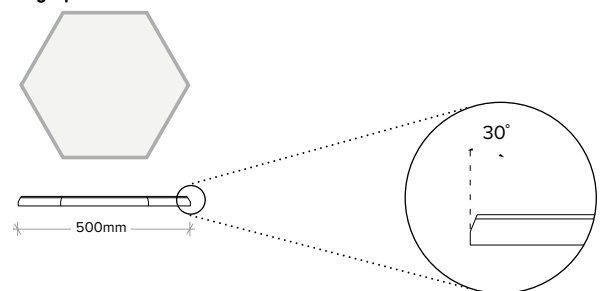


#### TLS632

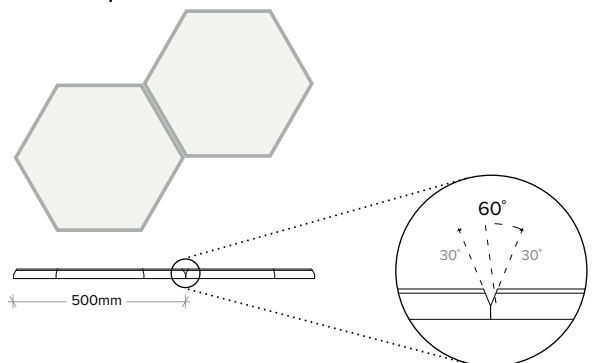
L: 750mm  
W: 750mm



#### Single panel



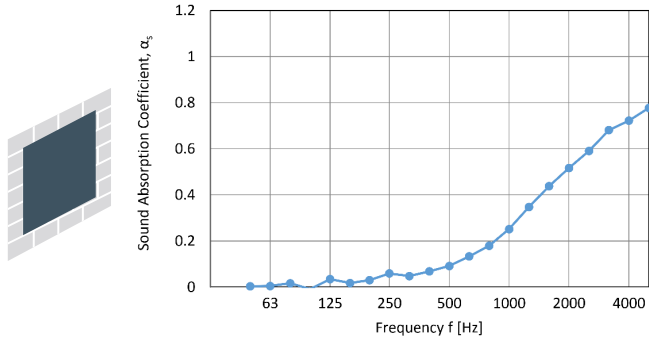
#### Joint of two panels



## ACOUSTIC TEST REPORT



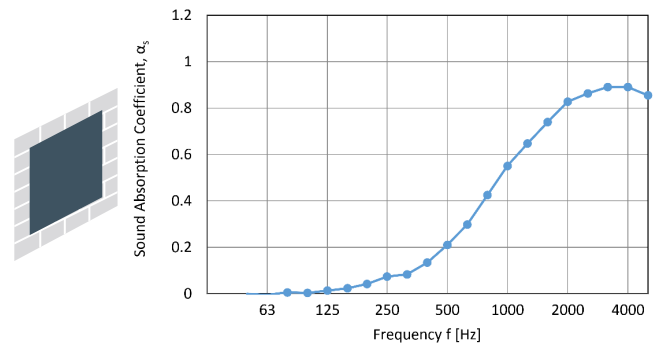
6mm Mandarin



125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
0,01	0,05	0,10	0,26	0,51	0,73

Rating according to ISO 11654:  
**Weighted sound absorption coefficient**  
 $\alpha_{wR}$ : 0.15  
 NRC: 0.25  
 Sound absorption class: E

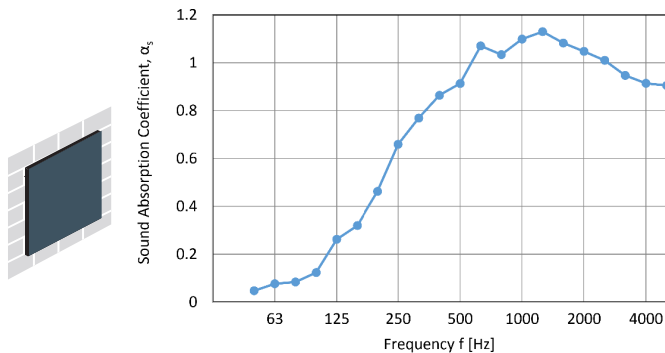
12mm Natural



125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
0,01	0,07	0,21	0,54	0,81	0,88

Rating according to ISO 11654:  
**Weighted sound absorption coefficient**  
 $\alpha_{wR}$ : 0.25  
 NRC: 0.40  
 Sound absorption class: E

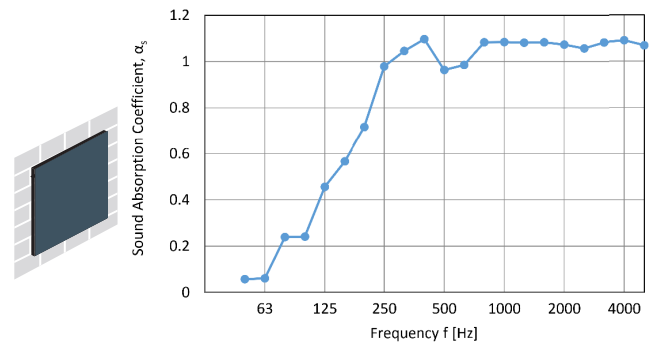
6mm Mandarin + Feltfill



125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
0,24	0,63	0,95	1,09	1,05	0,92

Rating according to ISO 11654:  
**Weighted sound absorption coefficient**  
 $\alpha_{wR}$ : 0.90  
 NRC: 0.95  
 Sound absorption class: A

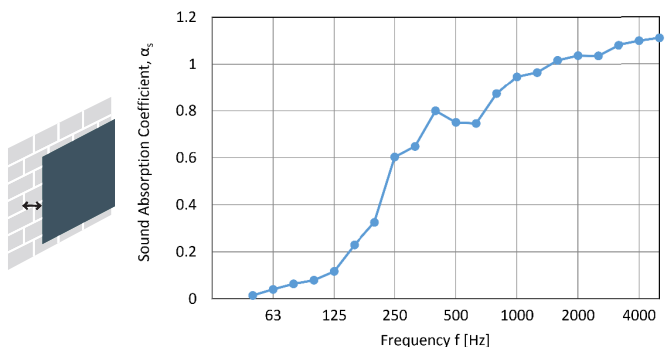
12mm Natural + Feltfill



125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
0,01	0,07	0,21	0,54	0,81	0,88

Rating according to ISO 11654:  
**Weighted sound absorption coefficient**  
 $\alpha_{wR}$ : 1.00  
 NRC: 1.00  
 Sound absorption class: A

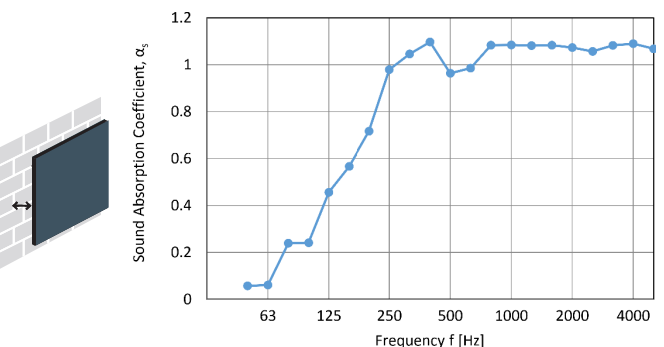
12mm Natural + Canopy



125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
0,14	0,53	0,77	0,93	1,03	1,10

Rating according to ISO 11654:  
**Weighted sound absorption coefficient**  
 $\alpha_{wR}$ : 0.75  
 NRC: 0.80  
 Sound absorption class: C

12mm Natural + Feltfill + Canopy



125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
0,42	0,91	1,01	1,08	1,07	1,08

Rating according to ISO 11654:  
**Weighted sound absorption coefficient**  
 $\alpha_{wR}$ : 1.00  
 NRC: 1.00  
 Sound absorption class: A