

CIRCLES Semi Specification

Product Code: TLS640, TLS642

- Composition: 100 % polyester (recycled PET appx. 50 %)
- Material Weight: 6mm: 1300g/m² (+/- 5%)
12mm: 2600g/m² (+/- 5%)
- Material Thickness: 6mm / 12mm Natural & Mandarin colors (+/- 10 %)

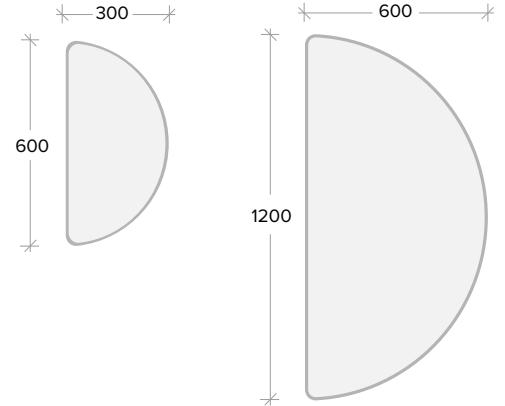
Product Weight:

6mm / Natural / 30x60cm: 0,23 kg	12mm / Natural / 30x60cm: 0,51 kg
60x120cm: 0,92 kg	60x120cm: 2,05 kg
per pcs. (+/- %5)	per pcs. (+/- %5)
6mm / Mandarin / 30x60cm: kg	12mm / Mandarin / 30x60cm: kg
60x120cm: kg	60x120cm: kg
per pcs. (+/- %5)	per pcs. (+/- %5)

Dimensions(mm):

TLS640
r: 300mm
Ø: 600mm

TLS642
r: 600mm
Ø: 1200mm



Performance

- Acoustic Rates: 6mm Natural: 0.70 NRC (EN-11654)
6mm Mandarin: 0.25 NRC (EN-11654)
6mm Natural + Feltfill: 0.80 NRC (EN-11654)
6mm Mandarin + Feltfill: 0.95 NRC (EN-11654)
12mm Natural: 0.40 NRC (EN-11654)
12mm Mandarin: 0.90 NRC (EN-11654)
12mm Natural + Feltfill: 1.00 NRC (EN-11654)
12mm Mandarin + Feltfill: 1.00 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.

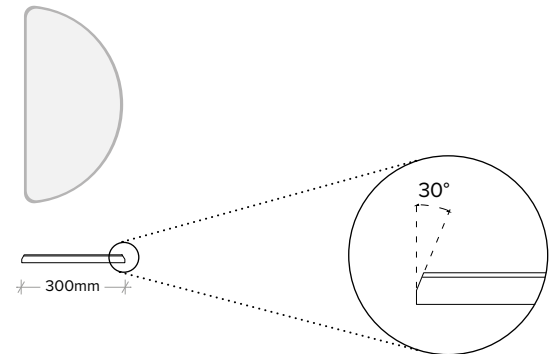
Care

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

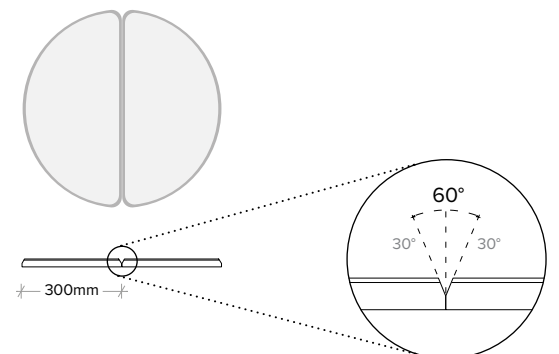
Installation

- 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.

Single panel



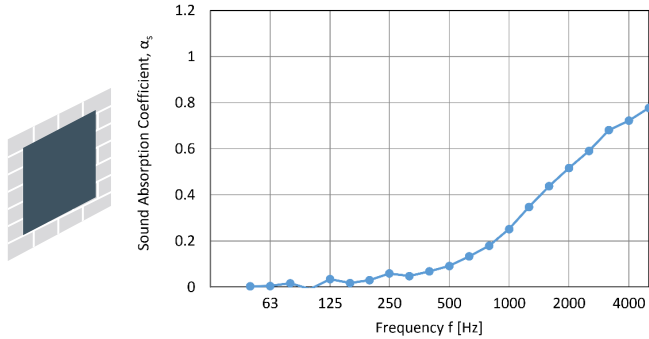
Joint of two panels



ACOUSTIC TEST REPORT



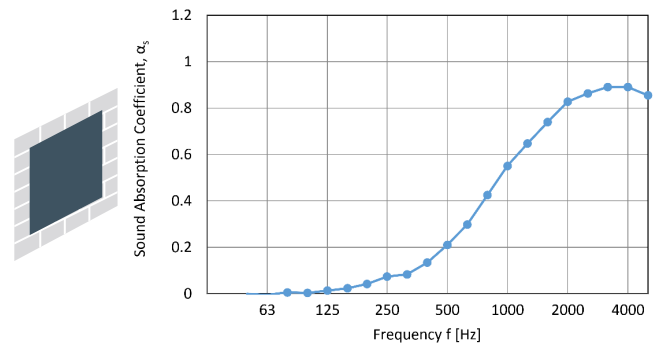
6mm Mandarin



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
 α_{wR} : 0.15
 NRC: 0.25
 Sound absorption class: E

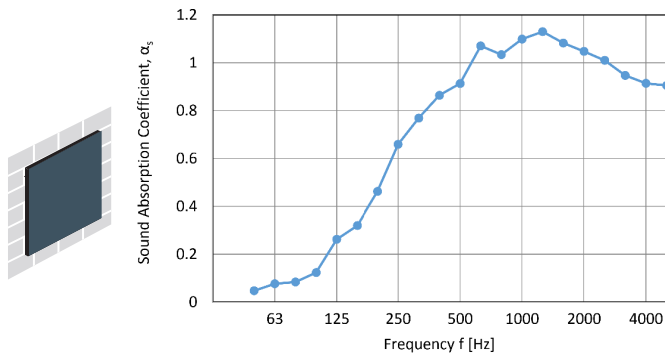
12mm Natural



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
 α_{wR} : 0.25
 NRC: 0.40
 Sound absorption class: E

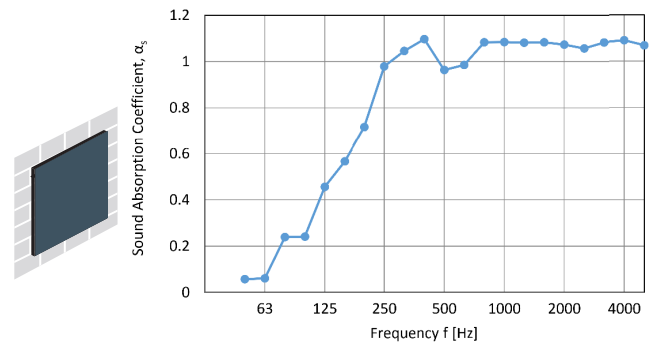
6mm Mandarin + Feltfill



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
 α_{wR} : 0.90
 NRC: 0.95
 Sound absorption class: A

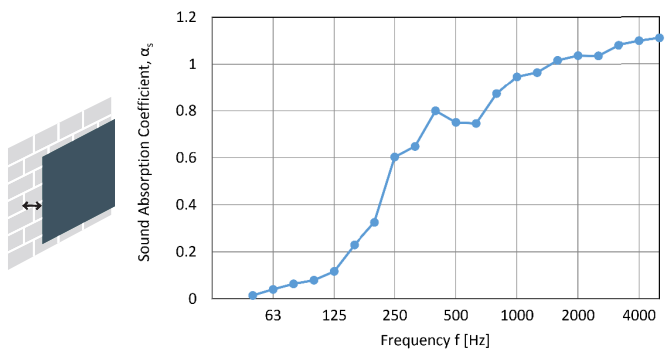
12mm Natural + Feltfill



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
 α_{wR} : 1.00
 NRC: 1.00
 Sound absorption class: A

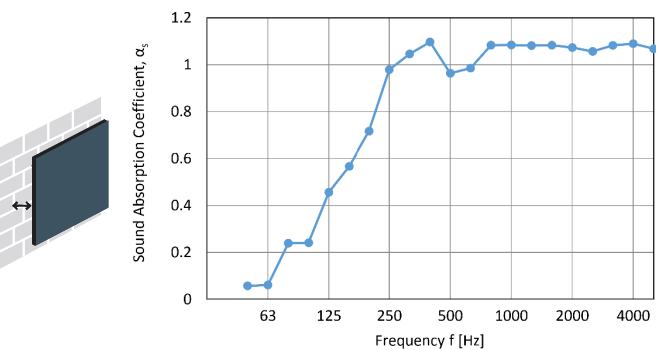
12mm Natural + Canopy



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
 α_{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
 α_{wR} : 1.00
 NRC: 1.00
 Sound absorption class: A