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1 General Explanation

In this report, the measurement results that took place between 05.11.2021 and 14.03.2022 at BLX Acoustic Research Laboratory within the scope of ISO 354 and ASTM C423 standard were shared in tables.

The measurement results relate only to the laboratory conditions at the relevant measurement date. A main report of all relevant measurement results is available and the main reports references will be shared upon request. The comprehensive acoustic performance results of the Feltouch product groups were prepared at the customer's request.

2 Measurement Results

The measurements were made in the BLX Acoustic Research Laboratory in accordance with ISO 354 and ASTM C423 standards in the reverberation chamber and the results are presented in this section.

2.1 RESULTS OF GROUP FELTOUCH CRACKER

The summary of measurement results are given in Table 2.1.

Tablo 2.1 Results of Group Feltouch Cracker

MATERIAL	α_w	NRC	Aobj
Feltouch Cracker Edge (Classic)	0.55	0.7	-
Feltouch Cracker Edge (Classic) with Feltfill	0.90	0.9	-
Feltouch Cracker Edge (Mandarin)	0.65	0.8	-
Feltouch Cracker Edge (Mandarin) with Feltfill	1.00	1.0	-
Feltouch Cracker (Mandarin)	0.4	0.6	-
Feltouch Cracker (Mandarin) with Feltfill	1.0	1.0	-
Feltouch Cracker (Mandarin) with Feltfill	1.0	1.0	-

2.2 RESULTS OF GROUP FELTOUCH PLATE

The summary of measurement results are given in Table 2.2.

Tablo 2.2 Results of Group Feltouch Plate

MATERIAL	α_w	NRC	Aobj
Feltouch Plate	0.25	0.4	-
Feltouch Plate 6mm	0.15	0.3	-
Feltouch Plate 6mm (Mandarin) with feltfill	0.90	1.0	-
Feltouch Plate 6mm (Natural)	0.15	0.2	-
Feltouch Plate 6mm (Natural) with Feltfill	0.85	0.9	-
Feltouch Plate 12mm with Feltfill	0.85	0.90	-
Feltouch Plate (30cm air gap) with Feltfill	0.80	0.8	-
Feltouch Plate Canopy (30cm air gap) with Feltfill	1.00	1.0	-
Feltouch Plate Canopy (30cm air gap) with Feltfill	0.75	0.8	-
Feltouch Plate Canopy (Natural) (50cm air gap) with Feltfill	-	-	Aobj @1000 Hz: 2.32
Feltouch Plate 12mm (Natural)	0.25	0.4	-
Feltouch Plate 12mm (Natural) Canopy	0.75	0.8	-
Feltouch Plate 12mm Canopy (Natural) with feltfill	1.00	1.0	-
Feltouch Plate 12mm (Mandarin)	0.30	0.5	-
Feltouch Plate 12mm (Mandarin) with Feltfill	0.90	0.9	-
Feltouch Plate 6mm (Natural) Canopy	0.60	0.6	Aobj @1000 Hz: 3.02
Feltouch Plate 6mm (Natural) Canopy with Feltfill	0.90	1.0	Aobj @1000 Hz: 4.71

MATERIAL	α_w	NRC	Aobj
Feltouch Plate 12mm Canopy (Mandarin)	0.75	0.8	-
Feltouch Plate 6mm (Natural) 5cm air gap	0.45	0.7	-
Feltouch Plate 6mm (Natural) 10cm air gap	0.65	0.7	-
Feltouch Plate 6mm (Natural) 20cm air gap	0.80	0.8	-
Feltouch Plate 6mm (Natural) 30cm air gap	0.80	0.8	-
Feltouch Plate 6mm (Natural) 40cm air gap	0.75	0.8	-
Feltouch Plate 6mm (Natural) 50cm air gap	0.75	0.8	-
Feltouch Plate 6mm (Natural) 70cm air gap	0.75	0.8	-
Feltouch Plate 6mm (Natural) 100cm air gap	0.75	0.8	-
Feltouch Plate 6mm (Natural) with Feltfill (5cm air gap)	0.95	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill (10cm air gap)	1.0	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill (20cm air gap)	1.0	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill (30cm air gap)	0.95	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill (40cm air gap)	0.95	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill (50cm air gap)	0.95	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill (70cm air gap)	0.95	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill (100cm air gap)	0.95	0.9	-

MATERIAL	α_w	NRC	Aobj
Feltouch Plate 12mm (Natural) 5cm air gap	0.75	0.8	-
Feltouch Plate 12mm (Natural) 10cm air gap	0.80	0.8	-
Feltouch Plate 12mm (Natural) 20cm air gap	0.90	0.9	-
Feltouch Plate 12mm (Natural) 30cm air gap	0.85	0.9	-
Feltouch Plate 12mm (Natural) 40cm air gap	0.80	0.9	-
Feltouch Plate 12mm (Natural) 50cm air gap	0.80	0.8	-
Feltouch Plate 12mm (Natural) 70cm air gap	0.80	0.8	-
Feltouch Plate 12mm (Natural) 100cm air gap	0.80	0.8	-
Feltouch Plate 12mm (Natural) with Feltfill (5cm air gap)	0.90	0.9	-
Feltouch Plate 12mm (Natural) with Feltfill (10cm air gap)	0.95	1.0	-
Feltouch Plate 12mm (Natural) with Feltfill (20cm air gap)	0.95	1.0	-
Feltouch Plate 12mm (Natural) with Feltfill (30cm air gap)	0.90	0.9	-
Feltouch Plate 12mm (Natural) with Feltfill (40cm air gap)	0.90	0.9	-
Feltouch Plate 12mm (Natural) with Feltfill (50cm air gap)	0.90	0.9	-
Feltouch Plate 12mm (Natural) with Feltfill (70cm air gap)	0.95	0.9	-
Feltouch Plate 12mm (Natural) with Feltfill (100cm air gap)	0.95	0.9	-

MATERIAL	α_w	NRC	Aobj
Feltouch Plate 12mm (Mandarin) 5cm air gap	0.65	0.8	-
Feltouch Plate 12mm (Mandarin) 10cm air gap	0.80	0.8	-
Feltouch Plate 12mm (Mandarin) 20cm air gap	0.85	0.8	-
Feltouch Plate 12mm (Mandarin) 30cm air gap	0.80	0.8	-
Feltouch Plate 12mm (Mandarin) 40cm air gap	0.80	0.8	-
Feltouch Plate 12mm (Mandarin) 50cm air gap	0.75	0.8	-
Feltouch Plate 12mm (Mandarin) 70cm air gap	0.80	0.8	-
Feltouch Plate 12mm (Mandarin) 100cm air gap	0.80	0.8	-
Feltouch Plate 12mm (Mandarin) with Feltfill (5cm air gap)	0.95	0.9	-
Feltouch Plate 12mm (Mandarin) with Feltfill (10cm air gap)	0.90	0.9	-
Feltouch Plate 12mm (Mandarin) with Feltfill (20cm air gap)	0.90	0.9	-
Feltouch Plate 12mm (Mandarin) with Feltfill (30cm air gap)	0.85	0.9	-
Feltouch Plate 12mm (Mandarin) with Feltfill (40cm air gap)	0.85	0.9	-
Feltouch Plate 12mm (Mandarin) with Feltfill (50cm air gap)	0.85	0.9	-
Feltouch Plate 12mm (Mandarin) with Feltfill (70cm air gap)	0.90	0.9	-
Feltouch Plate 12mm (Mandarin) with Feltfill (100cm air gap)	0.85	0.9	-

2.3 RESULTS OF GROUP FELTOUCH VERTIGO

The summary of measurement results are given in Table 2.3.

Tablo 2.3 Results of Group Feltouch Vertigo

MATERIAL	α_w	NRC	Aobj
Feltouch Vertigo	0.30	0.5	-
Feltouch Vertigo with Feltfill	0.95	0.9	-
Feltouch Vertigo Mono (Natural)	0.45	0.6	-
Feltouch Plate 6mm (Natural)	0.95	1.0	-
Feltouch Vertigo Mono (Natural) with Feltfill	0.35	0.6	-
Feltouch Vertigo Form (Natural)	0.95	1.0	-
Feltouch Vertigo Mono 60x60 (Natural)	0.65	0.8	-
Feltouch Vertigo Trapeze (Mandarin)	0.45	0.5	-
Feltouch Vertigo Trapeze (Mandarin) with Feltfill	0.70	0.8	-
Feltouch Vertigo Mono (Mandarin)	0.60	0.6	-
Feltouch Vertigo Mono (Mandarin) with Feltfill (Canopy)	0.90	0.9	-
Feltouch Vertigo Trapeze (Mandarin) (Canopy)	0.90	0.9	-
Feltouch Vertigo Trapeze (Mandarin) with Feltfill (Canopy)	0.90	0.9	-
Feltouch Vertigo Trapeze Lighting	-	-	Aobj @1000 Hz: 2.6
Feltouch Vertigo Trapeze Lighting	-	-	Aobj @1000 Hz: 4.1

2.4 RESULTS OF GROUP FELTOUCH WAFFLE

The summary of measurement results are given in Table 2.4.

Tablo 2.4 Results of Group Feltouch Waffle

MATERIAL	α_w	NRC	Aobj
Feltouch Waffle	0.45	0.6	-
Feltouch Waffle + Feltfill	0.95	1.0	-

2.5 RESULTS OF GROUP FELTOUCH PARALLAX

The summary of measurement results are given in Table 2.5.

Tablo 2.5 Results of Group Feltouch Parallax

MATERIAL	α_w	NRC	Aobj
Feltouch Parallax Form (Natural)	0.65	0.8	-
Feltouch Parallax Form (Natural) with Feltfill	1.00	1.0	-
Feltouch Parallax Mono (Natural)	0.60	0.8	-
Feltouch Form Mono (Natural) with Feltfill	0.95	1.0	-

2.6 RESULTS OF GROUP FELTOUCH MAKE-UP

The summary of measurement results are given in Table 2.6.

Tablo 2.6 Results of Group Feltouch Make-Up

MATERIAL	α_w	NRC	Aobj
Feltouch Make-up Wall Panel (Natural)	0.90	0.9	-
Feltouch Make-up Wall Panel (Natural) with Feltfill	0.95	1.0	-
Feltouch Make-up Lighting (Linear Suspended)	-	-	@1000 Hz: 0.6
Feltouch Make-up Lighting (Linear + Spot Suspended)	-	-	@1000 Hz: 0.6
Feltouch Make-up Lighting (Surface)	-	-	@1000 Hz: 0.85
Feltouch Make-up Divider	-	-	@1000 Hz: 2.0

2.7 RESULTS OF GROUP FELTOUCH BOWL

The summary of measurement results are given in Table 2.7.

Tablo 2.7 Results of Group Feltouch Bowl

MATERIAL	α_w	NRC	Aobj
Bowl (Suspended)	-	-	@1000 Hz: 0.52
Bowl (Surface)	-	-	@1000 Hz: 0.47

2.8 RESULTS OF GROUP FELTOUCH CONIC

The summary of measurement results are given in Table 2.8.

Tablo 2.8 Results of Group Feltouch Conic

MATERIAL	α_w	NRC	Aobj
Conic (Suspended)	-	-	@1000 Hz: 0.18

2.9 RESULTS OF GROUP FELTOUCH RIPPLE

The summary of measurement results are given in Table 2.9.

Tablo 2.9 Results of Group Feltouch Ripple

MATERIAL	α_w	NRC	Aobj
Ripple (Suspended)	-	-	@1000 Hz: 0.4
Ripple (Surface)	-	-	@1000 Hz: 0.51

2.10 RESULTS OF GROUP FELTOUCH BATURA

The summary of measurement results are given in Table 2.10.

Tablo 2.10 Results of Group Feltouch Batura

MATERIAL	α_w	NRC	Aobj
Batura (Natural)	0.70	0.8	-
Batura (Natural) with Feltfill	1.00	1.0	-

2.11 RESULTS OF GROUP FELTOUCH INCEPTION

The summary of measurement results are given in Table 2.11.

Tablo 2.11 Results of Group Feltouch Inception

MATERIAL	α_w	NRC	Aobj
Inception (Mandarin)	0.65	0.8	-
Inception (Mandarin) with Feltfill	1.00	1.0	-
Inception (Natural)	0.65	0.8	-
Inception (Natural) with Feltfill	0.95	1.0	-

2.12 RESULTS OF GROUP FELTOUCH REFLECTION

The summary of measurement results are given in Table 2.12.

Tablo 2.12 Results of Group Feltouch Reflection

MATERIAL	α_w	NRC	Aobj
Reflection (Natural)	0.65	0.8	-
Reflection (Natural) with Feltfill	0.95	1.0	-
Reflection (Mandarin)	0.75	0.8	-
Reflection (Mandarin) with Feltfill	0.95	1.0	-

2.13 RESULTS OF GROUP FELTOUCH AIR-FELT BAFFLE

The summary of measurement results are given in Table 2.13.

Tablo 2.13 Results of Group Feltouch Air-Felt Baffle

MATERIAL	α_w	NRC	Aobj
Air-Flet Baffle 15cm (Mandarin) 10cm Axis	0.50	0.5	-
Air-Flet Baffle 15cm (Mandarin) 15cm Axis	0.45	0.5	-
Air-Flet Baffle 15cm (Mandarin) 20cm Axis	0.45	0.5	-
Air-Flet Baffle 15cm (Mandarin) 25cm Axis	0.50	0.5	-
Air-Flet Baffle 15cm (Mandarin) 30cm Axis	0.40	0.4	-
Air-Flet Baffle 15cm (Mandarin) 40cm Axis	0.45	0.5	-
Air-Flet Baffle 15cm (Mandarin) 50cm Axis	0.40	0.4	-
Air-Flet Baffle 15cm (Mandarin) 60cm Axis	0.35	0.3	-
Air-Flet Baffle 15cm (Mandarin) with Feltfill 25cm Axis	0.65	0.7	-
Air-Flet Baffle 15cm (Mandarin) with Feltfill 30cm Axis	0.60	0.6	-
Air-Flet Baffle 15cm (Mandarin) 3 Sample	-	-	Aobj @1000 Hz: 0,58
Air-Flet Baffle 15cm (Mandarin) 6 Sample	-	-	Aobj @1000 Hz: 0,55
Air-Felt Baffle (Mandarin) 3 Sample	-	-	Aobj @1000 Hz: 0,6
Air-Felt Baffle (Mandarin) 6 Sample	-	-	Aobj @1000 Hz: 0,5
Air-Felt Baffle (Mandarin) 12 Sample	-	-	Aobj @1000 Hz: 0,4
Air-Felt Baffle (Mandarin) 24 Sample	-	-	Aobj @1000 Hz: 0,3

2.14 RESULTS OF GROUP FELTOUCH FLUX

The summary of measurement results are given in Table 2.14.

Tablo 2.14 Results of Group Feltouch Flux

MATERIAL	α_w	NRC	Aobj
Flux (P)	0.7	0.7	-
Flux (L)	0.8	0.9	-
Flux Form	0.8	0.9	-
Flux Flat	0.7	0.7	-

2.15 RESULTS OF GROUP FELTOUCH FLUX

The summary of measurement results are given in Table 2.15.

Tablo 2.15 Results of Group Feltouch Flux

MATERIAL	α_w	NRC	Aobj
Flux Ceiling Form (Natural) 5cm Air Gap	0.95	1.0	-
Flux Ceiling Form (Natural) 10cm Air Gap	0.95	0.9	-
Flux Ceiling Form (Natural) 20cm Air Gap	0.95	0.9	-
Flux Ceiling Form (Natural) 30cm Air Gap	0.90	0.9	-
Flux Ceiling Form (Natural) 40cm Air Gap	0.95	0.9	-
Flux Ceiling Form (Natural) 50cm Air Gap	0.90	0.9	-
Flux Ceiling Form (Natural) 70cm Air Gap	0.85	0.9	-
Flux Ceiling Form (Natural) 100cm Air Gap	0.90	0.9	-
Flux Ceiling Form (Natural) with Feltfill (5cm Air Gap)	1.00	1.0	-
Flux Ceiling Form (Natural) with Feltfill (10cm Air Gap)	1.00	1.0	-
Flux Ceiling Form (Natural) with Feltfill (20cm Air Gap)	1.00	1.0	-
Flux Ceiling Form (Natural) with Feltfill (30cm Air Gap)	1.00	1.0	-
Flux Ceiling Form (Natural) with Feltfill (40cm Air Gap)	1.00	1.0	-
Flux Ceiling Form (Natural) with Feltfill (50cm Air Gap)	1.00	1.0	-
Flux Ceiling Form (Natural) with Feltfill (70cm Air Gap)	1.00	1.0	-
Flux Ceiling Form (Natural) with Feltfill (100cm Air Gap)	1.00	1.0	-

MATERIAL	α_w	NRC	Aobj
Flux Ceiling Flat (Natural) 5cm Air Gap	0.75	0.8	-
Flux Ceilin Flat (Natural) 10cm Air Gap	0.65	0.7	-
Flux Ceilin Flat (Natural) 20cm Air Gap	0.65	0.7	-
Flux Ceiling Flat (Natural) 30cm Air Gap	0.65	0.8	-
Flux Ceilin Flat (Natural) 40cm Air Gap	0.65	0.7	-
Flux Ceilin Flat (Natural) 50cm Air Gap	0.65	0.7	-
Flux Ceilin Flat (Natural) 70cm Air Gap	0.65	0.6	-
Flux Ceilin Flat (Natural) 100cm Air Gap	0.70	0.7	-
Flux Ceiling Flat (Natural) with Feltfill (5cm Air Gap)	0.70	0.8	-
Flux Ceiling Flat (Natural) with Feltfill (10cm Air Gap)	0.65	0.8	-
Flux Ceiling Flat (Natural) with Feltfill (20cm Air Gap)	0.70	0.8	-
Flux Ceiling Flat (Natural) with Feltfill (30cm Air Gap)	0.70	0.7	-
Flux Ceiling Flat (Natural) with Feltfill (40cm Air Gap)	0.70	0.7	-
Flux Ceiling Form (Natural) with Feltfill (50cm Air Gap)	0.75	0.8	-
Flux Ceiling Flat (Natural) with Feltfill (70cm Air Gap)	0.75	0.7	-
Flux Ceiling Flat (Natural) with Feltfill (100cm Air Gap)	0.75	0.8	-

2.16 RESULTS OF GROUP FELTOUCH FREQUENCY

The summary of measurement results are given in Table 2.16.

Tablo 2.16 Results of Group Feltouch Frequency

MATERIAL	α_w	NRC	Aobj
Frequency (Natural)	0.75	0.8	-
Frequency (Natural) with Feltfill	0.95	0.9	-

2.17 RESULTS OF GROUP FELTOUCH SPIDER WEB

The summary of measurement results are given in Table 2.17.

Tablo 2.17 Results of Group Feltouch Spider Web

MATERIAL	α_w	NRC	Aobj
Spider Web (Mandarin)	0.75	0.8	-
Spider Web (Mandarin) with Feltfill	0.95	1.0	-

2.18 RESULTS OF GROUP FELTOUCH PUMPKIN

The summary of measurement results are given in Table 2.18.

Tablo 2.18 Results of Group Feltouch Pumpkin

MATERIAL	α_w	NRC	Aobj
Pumpkin (Natural)	-	-	Aobj @1000 Hz: 0,43
Pumpkin (Mandarin)	-	-	Aobj @1000 Hz: 0,47
Pumpkin R90 (Mandarin)	-	-	Aobj @1000 Hz: 0,90

2.19 RESULTS OF GROUP FELTOUCH RECTA

The summary of measurement results are given in Table 2.19.

Tablo 2.19 Results of Group Feltouch Recta

MATERIAL	α_w	NRC	Aobj
Recta (Natural)	6 dB	C,Ctr: 7	Aobj.k @1000 Hz: 0,6

2.20 RESULTS OF GROUP FELTOUCH PLAIN

The summary of measurement results are given in Table 2.20.

Tablo 2.20 Results of Group Feltouch Plain

MATERIAL	α_w	NRC	Aobj
Plain (Mandarin)	0.65	0.7	Aobj @1000 Hz: 1,7
Plain (Mandarin) with Feltfill	0.8	0.8	Aobj @1000 Hz: 1,7

2.21 RESULTS OF GROUP FELTOUCH MESH

The summary of measurement results are given in Table 2.21.

Tablo 2.21 Results of Group Feltouch Mesh

MATERIAL	α_w	NRC	Aobj
Mesh Rain	-	-	Aobj @1000 Hz: 1,7
Mesh Skew	0.25	0.3	Aobj @1000 Hz: 1,7
Mesh Forest	0.25	0.2	Aobj @1000 Hz: 1,6

2.22 RESULTS OF GROUP FELTOUCH VERTIGO LAY-IN

The summary of measurement results are given in Table 2.22.

Tablo 2.22 Results of Group Feltouch Vertigo Lay-in

MATERIAL	α_w	NRC	Aobj
Vertigo Lay-In (Natural) 5cm Air Gap	0.60	0.8	-
Vertigo Lay-In (Natural) 10cm Air Gap	0.75	0.8	-
Vertigo Lay-In (Natural) 20cm Air Gap	0.90	0.9	-
Vertigo Lay-In (Natural) 30cm Air Gap	0.85	0.9	-
Vertigo Lay-In (Natural) 40cm Air Gap	0.80	0.8	-
Vertigo Lay-In (Natural) 50cm Air Gap	0.80	0.8	-
Vertigo Lay-In (Natural) 70cm Air Gap	0.75	0.8	-
Vertigo Lay-In (Natural) 100cm Air Gap	0.85	0.9	-
Vertigo Lay-In (Natural) with Feltfill (5cm Air Gap)	1.00	1.0	-
Vertigo Lay-In (Natural) with Feltfill (10cm Air Gap)	1.00	1.0	-
Vertigo Lay-In (Natural) with Feltfill (20cm Air Gap)	1.00	1.0	-
Vertigo Lay-In (Natural) with Feltfill (30cm Air Gap)	0.95	1.0	-
Vertigo Lay-In (Natural) with Feltfill (40cm Air Gap)	0.95	1.0	-
Vertigo Lay-In (Natural) with Feltfill (50cm Air Gap)	0.95	1.0	-
Vertigo Lay-In (Natural) with Feltfill (70cm Air Gap)	0.95	1.0	-
Vertigo Lay-In (Natural) with Feltfill (100cm Air Gap)	0.95	1.0	-

2.23 RESULTS OF GROUP FELTOUCH VOLTA LAY-IN

The summary of measurement results are given in Table 2.23.

Tablo 2.23 Results of Group Feltouch Volta Lay-in

MATERIAL	α_w	NRC	Aobj
Volta Lay-In (Natural) 5cm Air Gap	0.80	0.9	-
Volta Lay-In (Natural) 10cm Air Gap	0.85	0.9	-
Volta Lay-In (Natural) 20cm Air Gap	0.90	0.9	-
Volta Lay-In (Natural) 30cm Air Gap	0.90	0.9	-
Volta Lay-In (Natural) 40cm Air Gap	0.85	0.9	-
Volta Lay-In (Natural) 50cm Air Gap	0.85	0.9	-
Volta Lay-In (Natural) 70cm Air Gap	0.85	0.9	-
Volta Lay-In (Natural) 100cm Air Gap	0.80	0.8	-
Volta Lay-In (Natural) with Feltfill (5cm Air Gap)	1.00	1.0	-
Volta Lay-In (Natural) with Feltfill (10cm Air Gap)	1.00	1.0	-
Volta Lay-In (Natural) with Feltfill (20cm Air Gap)	1.00	1.0	-
Volta Lay-In (Natural) with Feltfill (30cm Air Gap)	1.00	1.0	-
Volta Lay-In (Natural) with Feltfill (40cm Air Gap)	1.00	1.0	-
Volta Lay-In (Natural) with Feltfill (50cm Air Gap)	1.00	1.0	-
Volta Lay-In (Natural) with Feltfill (70cm Air Gap)	1.00	1.0	-
Volta Lay-In (Natural) with Feltfill (100cm Air Gap)	1.00	1.0	-

2.24 RESULTS OF GROUP FELTOUCH TUANA LAY-IN

The summary of measurement results are given in Table 2.24.

Tablo 2.24 Results of Group Feltouch Lay-in

MATERIAL	α_w	NRC	Aobj
Tuana Lay-In (Natural) 30cm Air Gap	0.90	0.9	-
Tuana Lay-In (Natural) 50cm Air Gap	0.90	0.9	-
Tuana Lay-In (Natural) with Feltfill (30cm Air Gap)	1.00	1.0	-
Tuana Lay-In (Natural) with Feltfill (50cm Air Gap)	1.00	1.0	-

2.25 RESULTS OF GROUP FELTOUCH NUBE

The summary of measurement results are given in Table 2.25.

Tablo 2.25 Results of Group Feltouch Nube

MATERIAL	α_w	NRC	Aobj
Nube Type 1 (Natural)	-	-	Aobj @1000 Hz: 0.4
Nube Type 1 (Mandarin)	-	-	Aobj @1000 Hz: 0.4
Nube Type 2 (Natural)	-	-	Aobj @1000 Hz: 0.3
Nube Type 1 + Type 2	-	-	Aobj @1000 Hz: 0.5

2.26 RESULTS OF GROUP FELTOUCH TILES

The summary of measurement results are given in Table 2.26.

Tablo 2.26 Results of Group Feltouch Tiles

MATERIAL	α_w	NRC	Aobj
Line (Natural)	0.25	0.4	-
Line (Natural) with Feltfill	1.00	1.0	-

2.27 RESULTS OF GROUP FELTOUCH CLOUD BAFFLE

The summary of measurement results are given in Table 2.27.

Tablo 2.27 Results of Group Feltouch Cloud Baffle

MATERIAL	α_w	NRC	Aobj
Cloud Baffle (Natural)	0.50	-	-
Cloud Baffle (Natural) with Feltfill	0.60	-	-

2.28 ALL RESULTS CONTAINING FELTOUCH FELTFILL

The summary of measurement results are given in Table 2.28.

Tablo 2.28 All Results Containing Feltouch Feltfill

MATERIAL	α_w	NRC	Aobj
Feltouch Cracker Edge (Classic) with Feltfill	0.90	0.9	-
Feltouch Cracker Edge (Mandarin) with Feltfill	1.00	1.0	-
Feltouch Cracker (Mandarin) with Feltfill	1.0	1.0	-
Feltouch Cracker (Mandarin) with Feltfill	1.0	1.0	-
Feltouch Plate 6mm (Mandarin) with feltfill	0.90	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill	0.85	0.9	-
Feltouch Plate 12mm with Feltfill	0.85	0.90	-
Feltouch Plate (30cm air gap) with Feltfill	0.80	0.8	-
Feltouch Plate Canopy (30cm air gap) with Feltfill	1.00	1.0	-
Feltouch Plate Canopy (30cm air gap) with Feltfill	0.75	0.8	-
Feltouch Plate Canopy (Natural) (50cm air gap) with Feltfill	-	-	Aobj @1000 Hz: 2.32
Feltouch Plate 12mm Canopy (Natural) with feltfill	1.00	1.0	-
Feltouch Plate 12mm (Mandarin) with Feltfill	0.90	0.9	-
Feltouch Plate 6mm (Natural) Canopy with Feltfill	0.90	1.0	Aobj @1000 Hz: 4.71

MATERIAL	α_w	NRC	Aobj
Feltouch Plate 6mm (Natural) with Feltfill (5cm air gap)	0.95	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill (10cm air gap)	1.0	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill (20cm air gap)	1.0	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill (30cm air gap)	0.95	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill (40cm air gap)	0.95	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill (50cm air gap)	0.95	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill (70cm air gap)	0.95	1.0	-
Feltouch Plate 6mm (Natural) with Feltfill (100cm air gap)	0.95	0.9	-
Feltouch Plate 12mm (Natural) with Feltfill (5cm air gap)	0.90	0.9	-
Feltouch Plate 12mm (Natural) with Feltfill (10cm air gap)	0.95	1.0	-
Feltouch Plate 12mm (Natural) with Feltfill (20cm air gap)	0.95	1.0	-
Feltouch Plate 12mm (Natural) with Feltfill (30cm air gap)	0.90	0.9	-
Feltouch Plate 12mm (Natural) with Feltfill (40cm air gap)	0.90	0.9	-
Feltouch Plate 12mm (Natural) with Feltfill (50cm air gap)	0.90	0.9	-
Feltouch Plate 12mm (Natural) with Feltfill (70cm air gap)	0.95	0.9	-
Feltouch Plate 12mm (Natural) with Feltfill (100cm air gap)	0.95	0.9	-

MATERIAL	α_w	NRC	Aobj
Feltouch Plate 12mm (Mandarin) with Feltfill (5cm air gap)	0.95	0.9	-
Feltouch Plate 12mm (Mandarin) with Feltfill (10cm air gap)	0.90	0.9	-
Feltouch Plate 12mm (Mandarin) with Feltfill (20cm air gap)	0.90	0.9	-
Feltouch Plate 12mm (Mandarin) with Feltfill (30cm air gap)	0.85	0.9	-
Feltouch Plate 12mm (Mandarin) with Feltfill (40cm air gap)	0.85	0.9	-
Feltouch Plate 12mm (Mandarin) with Feltfill (50cm air gap)	0.85	0.9	-
Feltouch Plate 12mm (Mandarin) with Feltfill (70cm air gap)	0.90	0.9	-
Feltouch Plate 12mm (Mandarin) with Feltfill (100cm air gap)	0.85	0.9	-
Feltouch Vertigo with Feltfill	0.95	0.9	-
Feltouch Vertigo Mono (Natural) with Feltfill	0.35	0.6	-
Feltouch Vertigo Trapeze (Mandarin) with Feltfill	0.70	0.8	-
Feltouch Vertigo Mono (Mandarin) with Feltfill (Canopy)	0.90	0.9	-
Feltouch Vertigo Trapeze (Mandarin) with Feltfill (Canopy)	0.90	0.9	-
Feltouch Waffle + Feltfill	0.95	1.0	-
Feltouch Parallax Form (Natural) with Feltfill	1.00	1.0	-
Feltouch Form Mono (Natural) with Feltfill	0.95	1.0	-

MATERIAL	α_w	NRC	Aobj
Feltouch Make-up Wall Panel (Natural) with Feltfill	0.95	1.0	-
Batura (Natural) with Feltfill	1.00	1.0	-
Inception (Mandarin) with Feltfill	1.00	1.0	-
Inception (Natural) with Feltfill	0.95	1.0	-
Reflection (Natural) with Feltfill	0.95	1.0	-
Reflection (Mandarin) with Feltfill	0.95	1.0	-
Air-Flet Baffle 15cm (Mandarin) with Feltfill 25cm Axis	0.65	0.7	-
Air-Flet Baffle 15cm (Mandarin) with Feltfill 30cm Axis	0.60	0.6	-
Flux Ceiling Form (Natural) with Feltfill (5cm Air Gap)	1.00	1.0	-
Flux Ceiling Form (Natural) with Feltfill (10cm Air Gap)	1.00	1.0	-
Flux Ceiling Form (Natural) with Feltfill (20cm Air Gap)	1.00	1.0	-
Flux Ceiling Form (Natural) with Feltfill (30cm Air Gap)	1.00	1.0	-
Flux Ceiling Form (Natural) with Feltfill (40cm Air Gap)	1.00	1.0	-
Flux Ceiling Form (Natural) with Feltfill (50cm Air Gap)	1.00	1.0	-
Flux Ceiling Form (Natural) with Feltfill (70cm Air Gap)	1.00	1.0	-
Flux Ceiling Form (Natural) with Feltfill (100cm Air Gap)	1.00	1.0	-

MATERIAL	α_w	NRC	Aobj
Flux Ceiling Flat (Natural) with Feltfill (5cm Air Gap)	0.70	0.8	-
Flux Ceiling Flat (Natural) with Feltfill (10cm Air Gap)	0.65	0.8	-
Flux Ceiling Flat (Natural) with Feltfill (20cm Air Gap)	0.70	0.8	-
Flux Ceiling Flat (Natural) with Feltfill (30cm Air Gap)	0.70	0.7	-
Flux Ceiling Flat (Natural) with Feltfill (40cm Air Gap)	0.70	0.7	-
Flux Ceiling Form (Natural) with Feltfill (50cm Air Gap)	0.75	0.8	-
Flux Ceiling Flat (Natural) with Feltfill (70cm Air Gap)	0.75	0.7	-
Flux Ceiling Flat (Natural) with Feltfill (100cm Air Gap)	0.75	0.8	-
Frequency (Natural) with Feltfill	0.95	0.9	-
Spider Web (Mandarin) with Feltfill	0.95	1.0	-
Plain (Mandarin) with Feltfill	0.8	0.8	Aobj @1000 Hz: 1,7
Vertigo Lay-In (Natural) with Feltfill (5cm Air Gap)	1.00	1.0	-
Vertigo Lay-In (Natural) with Feltfill (10cm Air Gap)	1.00	1.0	-
Vertigo Lay-In (Natural) with Feltfill (20cm Air Gap)	1.00	1.0	-
Vertigo Lay-In (Natural) with Feltfill (30cm Air Gap)	0.95	1.0	-
Vertigo Lay-In (Natural) with Feltfill (40cm Air Gap)	0.95	1.0	-

MATERIAL	α_w	NRC	Aobj
Vertigo Lay-In (Natural) with Feltfill (50cm Air Gap)	0.95	1.0	-
Vertigo Lay-In (Natural) with Feltfill (70cm Air Gap)	0.95	1.0	-
Vertigo Lay-In (Natural) with Feltfill (100cm Air Gap)	0.95	1.0	-
Volta Lay-In (Natural) with Feltfill (5cm Air Gap)	1.00	1.0	-
Volta Lay-In (Natural) with Feltfill (10cm Air Gap)	1.00	1.0	-
Volta Lay-In (Natural) with Feltfill (20cm Air Gap)	1.00	1.0	-
Volta Lay-In (Natural) with Feltfill (30cm Air Gap)	1.00	1.0	-
Volta Lay-In (Natural) with Feltfill (40cm Air Gap)	1.00	1.0	-
Volta Lay-In (Natural) with Feltfill (50cm Air Gap)	1.00	1.0	-
Volta Lay-In (Natural) with Feltfill (70cm Air Gap)	1.00	1.0	-
Volta Lay-In (Natural) with Feltfill (100cm Air Gap)	1.00	1.0	-
Tuana Lay-In (Natural) with Feltfill (30cm Air Gap)	1.00	1.0	-
Tuana Lay-In (Natural) with Feltfill (50cm Air Gap)	1.00	1.0	-
Line (Natural) with Feltfill	1.00	1.0	-
Cloud Baffle (Natural) with Feltfill	0.60	-	-