

New quiet!

QuietPan

Sound Insulation System

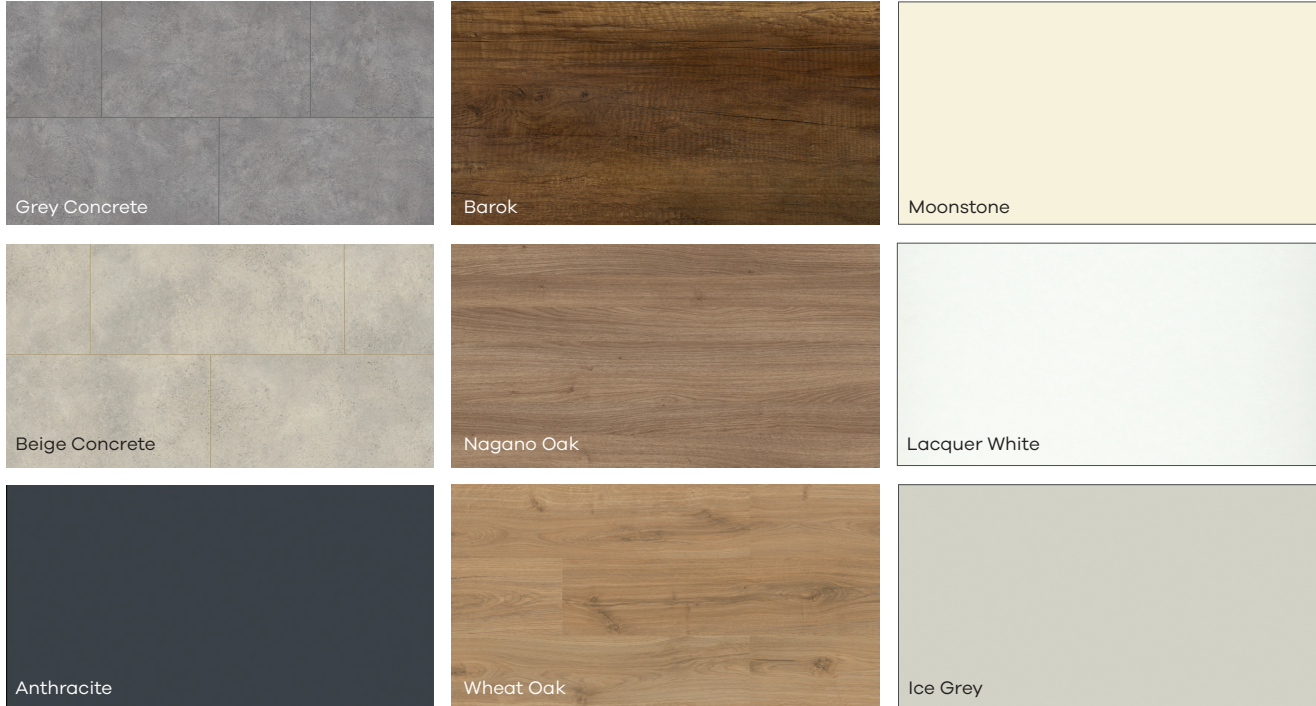
www.quietpan.com



KASTAMONU

Quietpan

Decors



Home



Office



School



Hospital



Hotel

New quiet!

Kastamonu Entegre offers an aesthetic solution to noise in living spaces with **QuietPan** in various colors and patterns. It also helps with thermal insulation.

Turkish Standards Institution laboratories tested and approved for sound insulation up to 13.3 dB.



- All components used in QuietPan systems are handpicked for their proven efficiency in sound insulation.
- The system must be installed by sound insulation experts. Other implementations made by non-experts might damage the system.
- You can experience the Quietpan Quiet Room at Koçtaş Kartal and Cevahir Stores in İstanbul, Türkiye.
- For best results, the QuietPan system should be used with all its components. In stand-alone use, noise insulation performance is limited.
- The warranty period for the system is 15 years.
- Any interventions by non-authorized personnel will violate the warranty scope.
- All components should be left out in ambient conditions for 48 hours prior to system installation.
- Please use a soft and damp cloth with appropriate wood cleaners to clean and maintain the product.



TSE DENEME VE KALİBRASYON MERKEZİ BAŞKANLIĞI YAPILMALI, YANGIN VE AKUSTİK LAB.
HEADSHIP OF THE TEST AND CALIBRATION CENTER CONST. MAT. FIRE AND ACOUSTICS LABORATORY

MUAYENE - DENEME SONUÇLARI TEST RESULTS
TS EN ISO 10140-2: 2013; TS EN ISO 10140-1: 2016; TS EN ISO 717-1: 2013

AB-0001-T
371868
12-20

6. Sonuçlar

Ses azaltma indekslerinin 1/3 oktav bantlardaki değerleri tablo halinde aşağıda verilmiştir.

TS EN ISO 717-1 standardına göre ses azaltım indeksinin tek sayı değeri:

Sessiz panel 3 sistemi; ΔR_w direct = 13,3 dB $\Delta(R_w + C)$ direct = 9,3 $\Delta(R_w + C)_r$ direct = 6,3

olarak bulunmuştur.

*Sonuçlar sadece belirtilen temel eleman (10 cm kalınlıklı, tek taraflı sıvalı (2-5cm kalınlıklı) iki sıra boşluklu 39,5*10*18,5 ebatlı bims blok ile oluşturulan duvar) kullanıldığında geçerlidir.

Class	STC – Acoustic Rating (R'w)	Rating Explanation
F	20-22	Normal speech can be heard with ease.
	25-27	Some words and sentences can be heard with ease.
E	30-32	Individual words and some word groups can be heard and understood clearly.
	35-37	Medium speech can be heard, some words can be understood.
D	40-42	Loud speech can be understood, music can be heard.
	45-47	Loud speech can hardly be heard, music can be heard with ease and can be uncomfortable.
C	50-52	Loud speech cannot be heard, music can be heard faintly but low-frequency bass sounds may be distracting.
B	50	Music can be heard faintly, low-frequency bass can be heard as vibrations on the surface.
A	60	Loud music can be heard faintly.
	65+	A majority of airborne sound can be prevented.

Tablo:

Wall Type	Wall Sound Insulation Performance Rating	Corresponding Wall Type	QuietPan Performance Rating	Improved Wall Performance Rating	Corresponding Wall Type
10-cm Concrete Wall	46,0 dB	D	up to + 13,3 dB	59,3 dB	B
10-cm Pumice Wall	43,0 dB	D		56,3 dB	B
10-cm Autoclaved Aerated Concrete	35,0 dB	E		48,3 dB	D
15-cm Autoclaved Aerated Concrete	38,0 dB	E		51,3 dB	C
20-cm Autoclaved Aerated Concrete	41,0 dB	D		54,3 dB	C
12,5*12,5-cm Double Autoclaved Aerated Concrete Block	49,0 dB	D		62,3 dB	A
10-cm Vertically Perforated Brick	38,0 dB	E		51,3 dB	C
19-cm Vertically Perforated Brick	46,0 dB	D		59,3 dB	B
10*10-cm Double Vertically Perforated Brick	49,0 dB	D		62,3 dB	A
7,5-cm Carcass Single-Layer Drywall	41,0 dB	D		54,3 dB	B

(*) Wall types are assumed to be plastered and painted on both sides.

(**) Information on wall types is concluded through calculations. It may depend on product type or density.

(***) Wall types may depend on the limit values of sender and receiver room types. Our specialists assess each installation site for individual values.



LAB-D-FR-36 / 11.06.2020-6

www.quietpan.com
E-mail: quietpan@keas.com.tr
Tel: +90 536 598 6486

QuietPan
Sound Insulation System