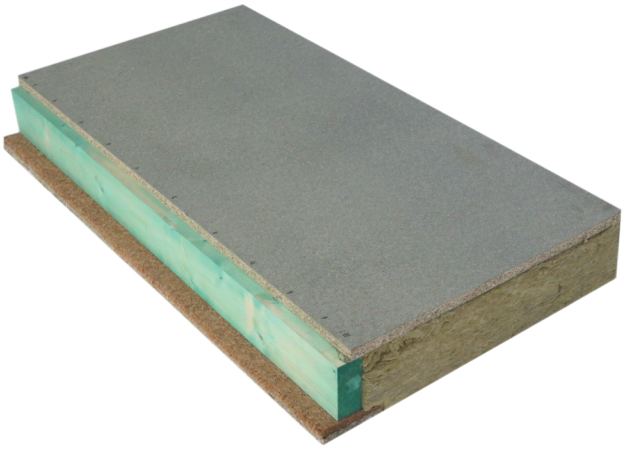
PHONOTECH®

by RMS8

TECHNICAL DATA SHEET

DESCRIPTION

The phonotech® modular system makes it possible to create a floating roof offering an excellent sound isolation. The phonotech® modular element is based on phonotech® nailing soundbattens, factory-assembled with the phonotech® complex (mineral wool and waterproof particleboard), making on-site assembly much simpler and faster.



APPLICATION

The phonotech® element is applied as acoustic isolation lining for flat and inclined roofs.

COMPOSITION

The phonotech® element features a phonotech® nailing soundbatten, as well as a mineral wool slab combined with a factory-assembled waterproof particleboard.

THE SYSTEM

Phonotech® = element (acoustic foam + coco matting + impregnated wood) + stone wool + particleboard

Phonotech®	Element (mm)		Acoustic foam (mm)		Coco matting (mm)		Impregnated wood (mm)	Specific density stone wool (mm)	Waterproof particleboard (mm)
DK-45	40	=	10	+	10	+	20	40	22
DK-65	60	=	20	+	10	+	30	60	22
DK-85	80	=	20	+	10	+	50	80	22
DK-105	100	=	20	+	10	+	70	100	22
DK-125	120	=	20	+	10	+	90	120	22
DK-145	140	=	20	+	10	+	110	140	22
DK-165	160	=	20	+	10	+	130	160	22
DK-185	180	=	20	+	10	+	150	180	22

ACCESSORIES

Start and finish soundbattens, fixing and filling accessories.

INSTALLATION

Under normal conditions, a single person can install the elements. Since the elements are fitted using nail dowels and/or screws, there is no drying time required. This considerably reduces installation time.

FINISHES

After installing the phonotech® elements, the roof covering can be installed.

ACOUSTIC PERFORMANCE

Experiments and many laboratory measurements show that phonotech® roofing elements offer a very high noise attenuation index.
The phonotech® modular system ensures perfect acoustic isolation.
The reduction values depend on the existing support framework (concrete or wood).
See the construction profile sheets.

THERMAL PERFORMANCE / DIMENSIONS / WEIGHT

	Thermal performance	Dimensions (mm)				Weight (kg)	
Phonotech®	R element =	Length	Width	Finished width	Thickness	Element	Element per m²
DK-45	1,41 m². K/W	1200	660	600	62	13,7	19,1
DK-65	1,95 m². K/W	1200	660	600	82	14,6	20,3
DK-85	2,49 m². K/W	1200	660	600	102	15,7	21,8
DK-105	3,03 m². K/W	1200	660	600	122	16,8	23,3
DK-125	3,57 m². K/W	1200	660	600	142	17,8	24,8
DK-145	4,11 m². K/W	1200	660	600	162	18,9	26,2
DK-165	4,65 m². K/W	1200	660	600	182	19,9	27,7
DK-185	5,19 m². K/W	1200	660	600	202	21,1	29,2