

customer	College fa Wissenschafte	UUT	Renewable resources - wood-beamed ceilings
Floor covering +	50 mm cement screed, m '= 120 kg / m²		
TS-insulation	30 WF STEICO mm therm laid in staggered, CP2, SD 30, m '= 5.2 kg / m²		
weighing down	2 x 30 mm Fermacell honeycomb bed in Fermacell screed honeycomb, m '= 89.3 kg / m		
soffit	22 mm chipboard screws (5 x 60), e s = 285 mm, m '= 13.3 kg / m²; 220 mm beams 80/220, e = 625 mm; 200 mm Thermo jute 100, p = 34 kg / m³		
under Blanket	140 mm suspension height, hangers "AMC acoustic Super T-60 Syl 30 Type A" (5x6 pieces) screwed onto beams, e = 625 mm; Kreuzlattung from CD profiles clipped, e = 900/400 mm; ; 2 x 12.5 mm screwed GKF, a <510/170 mm; m '= 2 x 10.3 kg / m		
total thickness	547 mm		
grammage	? kg / m²		
tester	Bacher		
comment	9.9 ° C; 60.9%; 955.4 hPa; h = 2943 mm, TZ 30/26 / xh		

order number	16000214	No measuring sheet.	X38	Inspection date	2018-01-10
Testing: DIN EN ISO 10140		Prüfschall: Pink Noise		Receive filter: third octave filters	
Test surface S = 20,00 m²		volume V_e: 58.4 m³		Instrument: Nortronic 830	

R_w	82 dB
R_{w^*}	82.3 dB
max Dev.	11.1 dB / 100 Hz
total	27.9 dB

Sample Nos.	44694/19	climate	10 ° C, 61%
-------------	----------	---------	-------------

standard C 100-3150; C tr, 100-3150	EN ISO 717
100-3150	- 4 -11
C 50-3150; C tr, 50-3150	- 17 -31
C 100-5000; C tr, 100-5000	- 3 -11
C 50-5000; C tr, 50-5000	- 16 -31

f [Hz]	R [dB]	50 63
80 100	25.7	26.9
200 250	31.5	34.6
500 630	80.3	100
1250 1600	90.0	90.0
2500 3150	64.0	64.0
5000	64.1	
	69.0	
	72.4	
	77.0	
	80.5	
	79.6	
	82.8	
	83.9	
	86.5	
	89.3	
	87.8	
	87.9	
	85.5	
	86.7	
	90.0	
	87.5	

