Premium
Sheep’s wool insulation 20kg/m³

High-volume, compact and convenient elastic insulation rolls, the best solution for high insulation thicknesses

Shorn sheep’s wool needle felt needled throughout, without adhesive fibers or bonding agents

Fitted with pesticide-free tested wool protection ***Ionic Protect***® permanence test in accordance with CUAP/EAD, Nature Plus certificate, ETA; no foreign supporting fibers or mesh

Excellent heat insulation properties for structures with increased requirements for heat insulation

Very good moisture characteristics for moisture-impervious structures with increased risk of condensate formation

Hygroscopic, yet hydrophobic

The best solution for high insulation thickness in roofs, walls, floors or ceilings. As primary structure with wooden posts or wooden slats on otherwise non-insulated masonry etc.

Healthy ambient air thanks to the air-cleaning action of sheep’s wool

Application:

Tie-beam ceiling, roof, top floor ceiling, wall, facade, floor, wood frame construction

Handling:

Cutting to length can be done manually without tools. Insert the insulation rolls from bottom to top and fix the sheep's wool to the rafters by stapling it laterally.

Additional Uses:

Healthy ambient air thanks to the air-cleaning action of sheep’s wool

Pleasant indoor climate thanks to the moisture-regulating action of sheep’s wool

Suitable for especially high insulation thickness thanks to new technology

Saves on installation time

Technical Data:

Bulk density:			20	kg/m³			
Heat conductivity λ_{iotr}:* ******			0,0359	W/mK			
Coefficient of vapor diffusion resistance μ:			1				
specific heat capacity c:			1760	J/kgK			
length-based current resistance r:**			4,1	kPa*s/m²			
Flammability class:***		E s1, do				BKZ in CH: **5,3**	
Degree of sound absorption ****	f [Hz]	125	250	500	1000	2000	4000
	α_s	0,43	0,47	0,68	0,76	0,86	0,95

MA 39 - VFA2036.02/1998 **Quiring Consultants P - 841 - 2001/1 - 1 ***MA 39 - VFA 2001 - 0995.01 ****Quiring Consultants RB - 715 - 2001/09 - 1 *****Plasterboard 12mm thickness, punching 18/18 - 5mm diameter | ISOLENA Optimal (40mm) | 60mm rear ventilation **** EMPA 520140007437*

Art.Nr.: SD PRE 20

Included in shipment:

Form of delivery: Rolls in micro-perforated plastic bags

Sheep's wool insulation PREMIUM 20 kg/m³	Thickness in cm	Length in cm*	Width in cm*		
			PU = 2 pcs.		PU = 1 pc.
SD PRE 20	30	200	60	65	70	120
SD PRE 20	28	200	60	65	70	120
SD PRE 20	26	200	60	65	70	120
SD PRE 20	24	200	60	65	70	120
SD PRE 20	22	250	60	65	70	120
SD PRE 20	20	250	60	65	70	120
SD PRE 20	18	250	60	65	70	120
SD PRE 20	16	300	60	65	70	120
SD PRE 20	14	300	60	65	70	120
SD PRE 20	12	400	60	65	70	120
SD PRE 20	10	400	60	65	70	120
SD PRE 20	8	400	60	65	70	120

**Prices and special sizes on request/Delivery time according to delivery schedule or on request*

Ecological parameters of ISOLENAWOLLE:

Use of non-renewable **primary energy** without the non-renewable primary energy carriers used as raw material (**PENRE [MJ, lower calorific value]**)	23,44	MJ / kg
Global warming potential Sum of GHG emissions and CO2 storage (**GWP** 100 total)	0,83	kg $CO_{2\text{-equiv.}}$ / kg
Acidification potential of soil and water (AP)	4,63E-03	kg $SO_{2\text{-equiv.}}$ / kg
Potential for the formation of tropospheric ozone (**POCP**)	8,04E-04	kg $C_2H_{4\text{-equiv.}}$ / kg
Eutrophication potential (**EP**)	2,08E-03	kg $PO_4^{3}{}_{\text{-equiv.}}$ / kg

We reserve the right to make technical changes and correct errors.

ISOLENAWOLLE
Healthy insulation can naturally do more.