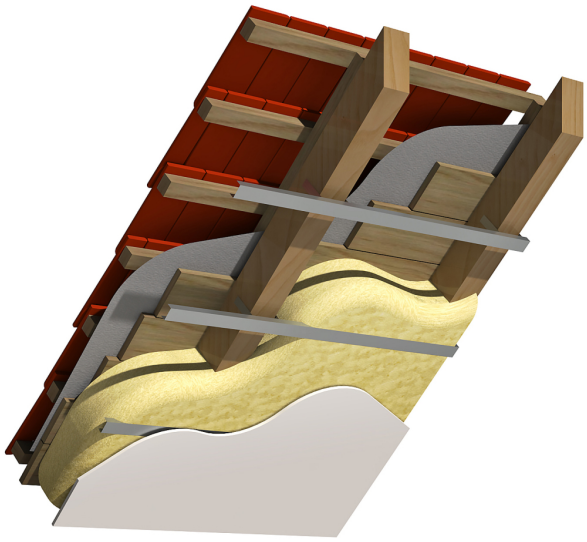
CONSTRUCTION DETAILS RD-01B

PITCHED ROOF WITH SARKING

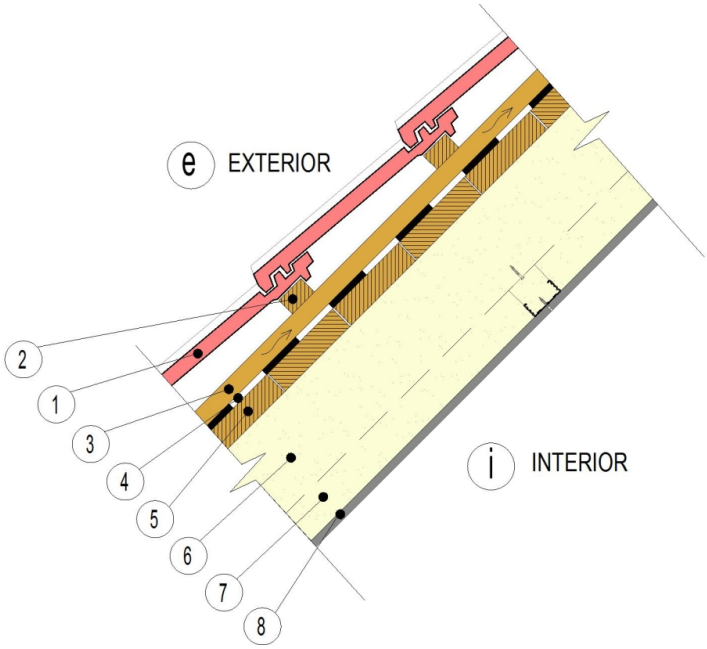


STRUCTURE CHARACTERISTICTS:

- PITCHED ROOF WITH SARKING
- BREATHER MEMBRANE
- INSULATION BETWEEN AND UNDER RAFTERS
- INTERNAL FINISH PLASTERBOARD

STRUCTURE ADVANTAGES:

- VAPOUR OPEN
- AIRTIGHT
- SOUND RESISTANCE
- SPEED OF INSTALLATION
- USUALLY TIMBER PARTS INVISIBLE FROM INTERIOR
- REPLACEMENT OF EXISTING INSULATION WITOUT INTERVENTION TO INTERIOR



THERMAL TRANSMITTANCE VALUE ACCORDING TO B.S.EN.	
REQUIRED THERMAL TRANSMITTANCE VALUE U [W/m2K]	0.18
CALCULATED THERMAL TRANSMITTANCE VALUE U [W/m2K]	
ICYNENE H2FOAM LITE (LDC-50)	0.19
ICYNENE H2FOAM LITE PLUS (LDC-70)	0.18
ICYNENE H2FOAM FORTE (MDR-210)	0.16

TECHNICAL PARAMETERS OF STRUCTURE

LABEL	LAYER	THK. [mm]	DESCRIPTION
1	SLATES/TILES	—	ROOF COVERING
2	BATTEN	—	SUPPORT STRUCTURE BASED ON ROOF COVERING
3	COUNTER BATTEN	min.40	VENTED AIRSPACE
4	BREATHER MEMBRANE	0.2	WEATHER RESISTANT BARRIER / VAPOUR OPEN MEMBRANE
5	SARKINGING BOARDS	24 - 30	ROOF CEILING
6	RAFTER - ICYNENE	140	RAFTER 120/140, 400-600MM CENTRES / THERMAL INSULATION LAYER
7	FURRING CHANNELS -ICYNENE	60	SUPPORTING STRUCTURE / THERMAL INSULATION LAYER
8	PLASTER BOARD	12.5	INTERNAL FINISH