

*Mounting mineral wool on the outside of the steel stud wall as a base for rendering*

Pre-conditions

Preparation

Self-inspection

Execution



This **work instruction** is designed for use in detailed planning and preparation of work on construction projects. With thorough planning high levels of personal safety and optimal work apportionment can be achieved at the same time as the work can be organized efficiently and cost effectively.

## Safety — Risk assessment

Work activity & Problem	P	C	Risk= P*C	Action
Fall from ladder fall injuries	10	15	150	Wider use of steps
Cluttered workplace = Twist/fall- injuries	10	15	150	Regular tidying
Irritation from fibers/insulation dust	3	1	3	Cleaning, face mask, gloves

Probability = P  
Consequence = C  
Risk = P \* C

**Assessment of probability**

P = 0,1	Very unlikely	(<1 times/10 years)
P = 1	Unlikely	(1 times/10 years)
P = 3	Low probability	(1 times/3 years)
P = 10	Relative probability	(1 times/year)
P = 30	Probable	(1 times/month)

**Assessment of consequences**

C=0,5	Trifle	
C=1	Tiny	( 1 - 2 days sick leave)
C=5	Small	( 3 - 7 days sick leave)
C=15	Tactile	( 8 - 29 - " - )
C=70	Severe	(30-299 - " - )
C=500	Very severe	(>300 - " - )

*Text from the Working Environment Authority's brochure Safer Construction Work*

## Personal Protective Equipment § 71

Safety helmet and protective footwear should be used unless this is clearly unnecessary. Other personal protective equipment such as eye protection, hearing protection and gloves should be worn when required.

## First Aid § 31

First aid should be given. Staff who are trained to provide first aid should always be available. Facilities and first-aid equipment should be marked with signs. There will also be signs with phone numbers, addresses and, if necessary a route description, for the local emergency services.

Provisions for first aid is also available in AFS 1999:7 "First aid and emergency support".

For mounting mineral wool also see AFS 2004:1



## Equipment and machinery

**Materials:**

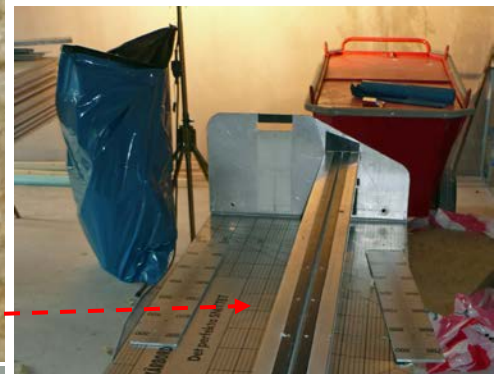
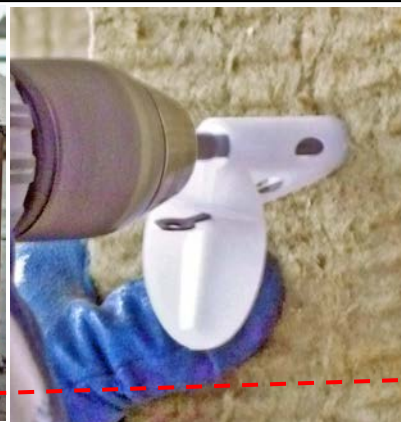
- Mineral wool
- Insulation mounts, for example fiber cement board
- Net fasteners with barbs (for curved steel mesh)

**Equipment:**

- Sharp, Serrated knife
- Ruler
- Work table with ruler
- Bin for mineral waste
- Drill

**Protection:**

- Protective clothing that covers the sensitive skin areas such as the neck and forearms
- Gloves
- Breathing mask normally adequate with dust filter class P2.





Large deliveries should be allocated per apartment and taken in.

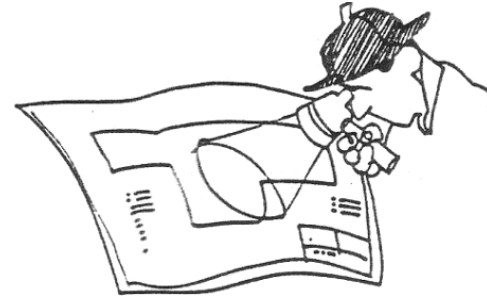


Self-inspection 1(2)  
Template & instructions

No	Check	Method or equipment	Frequency	Result	Date Signature	Deviation/Remedy Approval/Non-A
1	Cast-in fasteners	Ocular				
2	Joint width	Ocular				
3	Abutments to windows, corners, etc.	Ocular				
4	Render suppliers requirements regarding insulation	Ocular				
5						
6						
7						
8						
9						
10						
11						

## Quality criteria for the project and the product

- Study Drawings, Specifications and Inspection planning
- Think through the alternative **methods of production** and handling of materials, tools etc. that can meet the requirements



### *Pay particular attention to*

- Deploy the insulation products in accordance with manufacturer's instructions
- Seal the penetrations and connections - secure wind board function
- Use a straight edge or cutting table when cutting insulation products
- Joints parallel to the joists shall be minimal in number
- Rendering company's requirements concerning base = insulation



Accurate measuring up,  
Saw / cut for precise fit - why not a table to work on ...

The insulation is installed through a fastening mount  
being firmly drilled into the base.

Finished insulation!

Note loop!

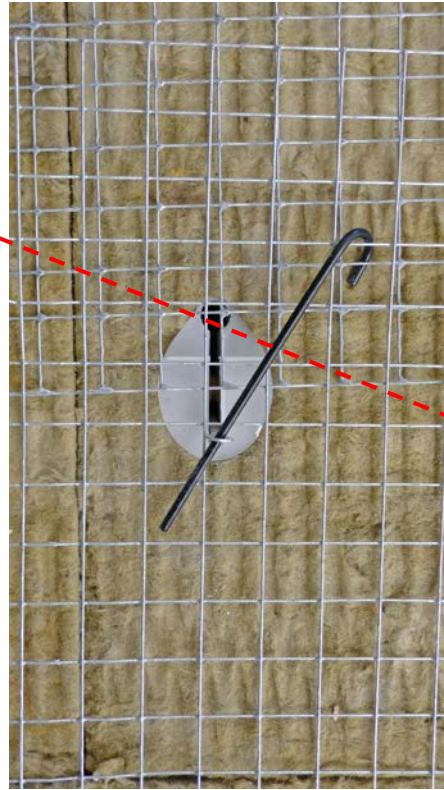




Work activity

Welded wire mesh is attached with “hairpins” threaded through the mounting devices fixing eyes.

Through the net plastic hooks with barbs are pressed in to the base.



To the left, a detailed study of the wind sheeting = fiber cement sheet still visible.

To the right - ready for rendering.

Barbs for net 

