

Safety and health protection at work

Safety Check for Roofing Firms

SAFETY CHECK SAFETY CHECK SAFETY CHECK

Name of firm/department

Safety Check carried out

on:

by:

Safety Check to be resubmitted on

- Mechanical safety before
- Electrical safety before
- Physical safety before
- Chemical safety before
- Fire and explosion protection before
- Workplace design before
- Work organisation and conduct before

Next Safety Check on:

checked:

A SAFETY CHECK? WHAT FOR?

SAFETY CHECK FOR ROOFING FIRMS SAFETY CHECK FOR ROOFING FIRMS SAFETY CHECK FOR ROOFING FIRMS

Your duty as an employer to ensure **safety and health protection** in your firm¹, is a great challenge and responsibility. The "Safety Check" is intended to help you to discharge this responsibility effectively and sensibly in addition to managing the technical and business aspects of your firm. It will also help you to use occupational safety and health protection as a major aid to improving your firm's **efficiency and profitability**.

Accidents and illnesses affecting employees in small businesses create special problems, impairing not only the health of the individual worker but also the performance of the whole business. The time lost by workers who fall ill must be made up. Material damage (e.g. destruction of equipment) can disrupt the smooth progress of work.

Organisational weaknesses, e.g. in the preparation of work, often cause unnecessary stress and rushed work, leading in turn to accidents and illnesses.

¹ under Directive 89/391/EEC on the introduction of measures to encourage improvements in the safety and health of workers at work

HOW TO USE THE SAFETY CHECK

The Safety Check helps you to get a grip on these problems. It is thus **not just an extra chore**, but contributes directly to the success of your firm.

The Safety Check

- helps you to look systematically for any problems there may be;
- suggests improvements which have proved useful in practice;
- provides a written record of your safety and health efforts.

Get down to it!

- Set aside a couple of hours.
- With the check list in your hand, do a walkthrough of your firm or a typical site.
- Get your employees to help in carrying out the Safety Check since this makes them aware of the need for safe behaviour.
- Give your employees Safety Check booklets when they go to the worksite.
- In case of doubt, use the information and help suggested.

Repeat the Safety Check

- regularly, about once a year;
- whenever there are major changes or innovations and if the firm is expanded;
- after accidents or near misses;
- whenever work starts on a major new site.

Work through the Safety Check from start to finish.

- A. The "**list of workers and what they do**" helps you to relate the Safety Check to the workers and their tasks and to encourage more safety- and health-conscious behaviour.
- B. **The structure of the Safety Check reflects various aspects of work:**
- technical factors (mechanical, electrical, physical, chemical substances, fire and explosion protection, workplace design);
 - work organisation and conduct.
- * Points which must be specially drawn to workers' attention in the course of **safety instruction** are marked with an asterisk.
- ☹ Marks **problems** which are known as particular causes of accidents or illnesses
- ☺ Marks special situations in which **particularly effective** improvements in safety and health are possible.
- C. **After completing the Safety Check**, you can see at a glance whether you are trying hard enough to ensure safety: If you have placed crosses in the white circles ○ in the "Action to improve safety" column, **you are doing fine**. Wherever you place a cross in a red circle ●, **you need to do better**.

Set a deadline for the improvements to be carried out.

LIST OF WORKERS AND WHAT THEY DO

- Have you checked that the worker's health allows him to do the job?
- Is he qualified?
- Have you complied with any restrictions on the work he can do?
- Has the work been properly allocated?

Job/worker	Main activity	Other activities		
Roofing foreman	Work planning and coordination	Supervision of work team	Calculation of tenders	
Skilled roofer (Mr F. Example)	Flat roofing work	Metal work	Fixing batons	Roof cladding

HOW DO YOU FILL IN THE CHECKLIST?

- | | | |
|--|---|--|
| <p>1. PROBLEMS
Listing of possible problems and situations which may give rise to them. If a particular problem does not arise, go on to the next point.</p> <p>LIST OF EQUIPMENT
List of the main items of equipment used in your firm.</p> <p>TYPICAL SITUATIONS
which lead to the safety problem mentioned; complete as necessary.</p> | <p>2. QUESTIONS AND NOTES
help you to tell whether the problems mentioned occur in your firm.</p> <p>In the next column, mark with a cross the action taken or still required.</p> | <p>3. MAJOR SAFETY MEASURES
Judge for yourself which are necessary in your firm.</p> <p>Place a cross in ● to mark any action which is necessary but not yet taken; add entries as necessary.</p> <p>Place a cross in ○ to mark action already taken; add entries as necessary.</p> |
|--|---|--|

MECHANICAL SAFETY		Safety Check carried out on: 12.5.96 Action to be taken by: Sept 96	
<p>Possible problems</p> <p>Machines with unguarded moving parts (Mark listed items with a cross and complete as necessary)</p> <p><input checked="" type="checkbox"/> Drill <input checked="" type="checkbox"/> Circular saw or chain saw <input type="checkbox"/> Torch <input checked="" type="checkbox"/> Angle grinder <input type="checkbox"/></p>	<p>Questions and notes</p> <p>Is it possible to get into a dangerous position while operating the equipment? (Check for each item)</p> <p>Mark action taken or complete as necessary ○</p> <p>Mark and carry out other (necessary) action ●</p>	<p>Action to improve safety</p> <p>●○ Protective cover ● Right size of clamping flange on cutting wheel ●○ Guards ○ Safety switches <i>repair on torch</i> ●○ Safe hand grips ○ <i>Replace guard plate on circular saw</i> ●○</p>	<p>* VBG37 VBG5</p> <p>INFO</p>
<p>Falls</p> <p>from roofs from ladders through hatches or skylights </p>	<p>Are adequate precautions taken against falls?</p> <p>Mark action taken or complete as necessary ○</p> <p>Mark and carry out other (necessary) action ●</p>	<p>●○ Install edge protection, barriers (also for skylights) ● Secure upper landing level of hoists ●○ Secure skylights with walkable covers ●○ Place ladders at safe angle ● Do not use gutters as footing for roof ladders ●○ Wear roofer's safety shoes ○ <i>Fence off drop edges</i></p>	<p>*</p> <p>*</p>

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|---|--|
| <p>4. SAFETY INSTRUCTION
During safety instruction, workers' attention should be specially drawn to the items marked with an asterisk *.</p> | <p>5. RULES, STANDARDS AND REGULATIONS
providing further information on suitable action. These are listed on the last page.</p> |
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MECHANICAL SAFETY 1

Safety Check carried out on:
Action to be taken by:

<p>Possible problems</p> <p>Machines with unguarded moving parts (mark listed items with a cross and complete as necessary)</p> <p><input type="checkbox"/> Drill <input type="checkbox"/> Circular saw or chain saw <input type="checkbox"/> Torch <input type="checkbox"/> <input type="checkbox"/></p>	<p>Questions and notes</p> <p>Is it possible to get into a dangerous position while operating the equipment? (Check for each item)</p> <p>Mark action taken or complete as necessary <input type="radio"/></p> <p>Mark and carry out other (necessary) action <input checked="" type="radio"/></p>	<p>Action to improve safety</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Protective cover <input checked="" type="radio"/> Right size of clamping flange on cutting wheel <input checked="" type="radio"/> Guards <input checked="" type="radio"/> Safety switches <input checked="" type="radio"/> Safe hand grips <input checked="" type="radio"/> <input checked="" type="radio"/> 	<p>* VBG37 VBG5</p> <p>INFO</p>
<p>Dangerous surfaces</p> <p>Wood splinters on roof batons or rafters ⊗</p> <p>Metal edges </p>	<p>Have the necessary precautions been taken against injury?</p> <p>Mark action taken or complete as necessary <input type="radio"/></p> <p>Mark and carry out other (necessary) action <input checked="" type="radio"/></p>	<ul style="list-style-type: none"> <input checked="" type="radio"/> Protective gloves <input checked="" type="radio"/> <input checked="" type="radio"/> 	<p>*</p>
<p>Moving means of transport</p> <p>Site hoists </p>	<p>Have the necessary precautions been taken to protect persons on the site?</p> <p>Mark action taken or complete as necessary <input type="radio"/></p> <p>Mark and carry out other (necessary) action <input checked="" type="radio"/></p>	<ul style="list-style-type: none"> <input checked="" type="radio"/> Assemble and dismantle in accordance with instructions <input checked="" type="radio"/> Provide tying if needed because of inclination or mast length <input checked="" type="radio"/> Hoist to be operated and serviced by qualified personnel only <input checked="" type="radio"/> Secure landing and transfer stations <input checked="" type="radio"/> Check hoist every day before beginning work <input checked="" type="radio"/> <input checked="" type="radio"/> 	<p>*</p> <p>* VBG 35</p> <p>*</p> <p>*</p>

* Instruction necessary

MECHANICAL SAFETY 2

Safety Check carried out on:
Action to be taken by:

Possible problems	Questions and notes	Action to improve safety	
<p>Uncontrolled movement of parts and objects</p> <p>Conveyed material falling from hoists</p> <p>Falling equipment or materials</p> <p>Flying fragments or parts of grinding or cutting machines</p> <p>.....</p> <p>.....</p>	<p>Is uncontrolled movement of objects possible? (Rolling, sliding, toppling, bursting?)</p> <p>Mark action taken or complete as necessary ○</p> <p>Mark and carry out other (necessary) action ●</p>	<p>●○ Securely fasten all standing/lying parts at the workplace</p> <p>●○ Secure loads to carriage so that they cannot slip or fall</p> <p>●○ Check load capacity</p> <p>●○ Install safety canopy</p> <p>●○ Safety helmet</p> <p>●○</p> <p>●○</p>	<p>*VBG 37 VBG 5</p> <p>*</p> <p>*</p> <p>*</p> <p>*</p> <p>INFO</p>

<p>Falls</p> <p>from roofs</p> <p>from ladders</p> <p>through hatches or skylights</p> <p>.....</p> <p>.....</p>	<p>Are adequate precautions taken against falls?</p> <p>Mark action taken or complete as necessary ○</p> <p>Mark and carry out other (necessary) action ●</p>	<p>●○ Install edge protection, barriers (also for skylights)</p> <p>●○ Provide safety nets, catch platforms, etc.</p> <p>●○ Secure upper landing level of hoists</p> <p>●○ Anchor fall arrest gear (belts/ropes) in prescribed manner</p> <p>●○ Fence off area near drop edge if no work required there</p> <p>●○ Secure skylights with walkable covers</p> <p>●○ Secure ladders against ground penetration, slipping</p> <p>●○ Place ladders at safe angle</p> <p>●○ Do not use gutters as footing for roof ladders</p> <p>●○ Do not hook ladder extension into top rung</p> <p>●○ Wear roofer's safety shoes</p> <p>●○</p> <p>●○</p>	<p>*</p> <p>*ZH1/584 ZH1/560 *ZH1/709 VBG 74</p> <p>*</p> <p>*</p> <p>*</p> <p>*</p> <p>*</p> <p>*</p> <p>*</p> <p>*</p>
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* Instruction necessary

ELECTRICAL SAFETY

Safety Check carried out on:
Action to be taken by:

Possible problems	Questions and notes	Action to improve safety	
<p>Electric shock through contact with defective electrical equipment or machines (Mark listed items and add as necessary)</p> <p><input type="checkbox"/> Circular saw <input type="checkbox"/> Drill <input type="checkbox"/> Lights <input type="checkbox"/> Hoist <input type="checkbox"/>..... <input type="checkbox"/>.....</p>	<p>Are the plugs, switches, sockets, cables undamaged and are the equipment housings in their as-new condition, i.e. sealed ?</p> <p>Mark action taken or complete as necessary ○</p> <p>Mark and carry out other (necessary) action ●</p>	<p>●○ Regular inspection of the installations and apparatus by qualified personnel (how often?).</p> <p>●○ Check equipment for visible defects before use</p> <p>●○ Do not continue to use items found to be defective: have them repaired</p> <p>●○ Connect equipment and machines via "site distribution system"</p> <p>●○ Use only equipment suitable for open-air operation</p> <p>●○ Use lines and cables designed for high mechanical stresses</p> <p>●○ ●○</p>	<p>VBG 4 DIN VDE 0100 Teil 704</p> <p>*</p> <p>*</p> <p>*</p> <p>INFO</p>

<p>Electric shock through contact with overhead power lines</p>	<p>Has contact with overhead power lines been precluded?</p> <p>Mark action taken or complete as necessary ○</p> <p>Mark and carry out other (necessary) action ●</p>	<p>●○ Have the electricity supplier make overhead lines dead or provide guarding</p> <p>●○ Respect necessary clearances from the overhead line</p> <p>●○ ●○</p>	<p>*</p>
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* Instruction necessary

PHYSICAL SAFETY

Safety Check carried out on:
Action to be taken by:

Possible problems	Questions and notes	Action to improve safety	
<p>Noise caused by (Mark listed items and add as necessary) ☺</p> <p><input type="checkbox"/> (Percussion) drill <input type="checkbox"/> Hand-held circular saw <input type="checkbox"/> Chain saw <input type="checkbox"/> Angle grinder <input type="checkbox"/> Inclined hoist with ICE <input type="checkbox"/> Gas/turbo torch <input type="checkbox"/> Hand-held hammer <input type="checkbox"/> <input type="checkbox"/></p>	<p>Are (individual) workers frequently or constantly exposed to noise? What corrective action is taken?</p> <p>Mark action taken or complete as necessary ○</p> <p>Mark and carry out other (necessary) action ●</p>	<p>●○ Ear protection ●○ When buying new equipment: compare noise data of machines on offer ●○ ●○</p>	<p>*VBG 121 ZH 1/705</p> <p>INFO</p>

Danger of burns	What action is taken to prevent burns?		
<p>On heating, flame cleaning or melting equipment</p> <p>By hot bitumen </p>	<p>Mark action taken or complete as necessary ○</p> <p>Mark and carry out other (necessary) action ●</p>	<p>●○ Protective gloves ●○ Eye protection ●○ Safety shoes ●○ Protective clothing ●○ ●○</p>	<p>* * VBG 43 * *</p>

* Instruction necessary

CHEMICAL SAFETY 1

Safety Check carried out on:
Action to be taken by:

Possible problems	Questions and notes	Action to improve safety	
<p>Materials used which contain dangerous substances</p> <p>Heat-solvent sealing agents and bitumen (top coats, undercoats, fillers, cold-setting bitumen adhesives or tack coats)</p> <p>Indicate name, supplier and hazard designation:</p>	<p>What precautions are necessary? (See instructions for use and safety info sheet)</p> <p>Mark action taken or complete as necessary <input type="radio"/></p> <p>Mark and carry out other (necessary) action <input checked="" type="radio"/></p>	<p><input checked="" type="radio"/> Order safety info sheet from supplier</p> <p><input checked="" type="radio"/> If used in enclosed spaces: ventilation/extraction</p> <p><input checked="" type="radio"/> Use explosion-protected tools</p> <p><input checked="" type="radio"/> If used in enclosed spaces: respiratory protection</p> <p><input checked="" type="radio"/> Protective clothing: see instructions for use</p> <p><input checked="" type="radio"/> </p> <p><input checked="" type="radio"/> </p>	<p>VbF</p> <p>*</p> <p>*</p> <p>*</p> <p>INFO</p>

<p>Artificial mineral fibres (glass wool, rockwool, etc.)</p> <p>Indicate name, supplier and hazard designation:</p>	<p>What precautions are necessary? (See instructions for use and safety info sheet)</p> <p>Mark action taken or complete as necessary <input type="radio"/></p> <p>Mark and carry out other (necessary) action <input checked="" type="radio"/></p>	<p><input checked="" type="radio"/> Order safety info sheet from supplier</p> <p><input checked="" type="radio"/> If used in enclosed spaces: respiratory protection</p> <p><input checked="" type="radio"/> Skin protection</p> <p><input checked="" type="radio"/> Hand protection</p> <p><input checked="" type="radio"/> Eye protection</p> <p><input checked="" type="radio"/> </p> <p><input checked="" type="radio"/> </p>	<p>* ZH 1/294</p> <p>*</p> <p>*</p> <p>*</p>
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<p>Foamed flashing compounds (2-component foam, etc.)</p> <p>Indicate name, supplier and hazard designation:</p>	<p>What precautions are necessary? (See instructions for use and safety info sheet)</p> <p>Mark action taken or complete as necessary <input type="radio"/></p> <p>Mark and carry out other (necessary) action <input checked="" type="radio"/></p>	<p><input checked="" type="radio"/> Order safety info sheet from supplier</p> <p><input checked="" type="radio"/> If used in enclosed spaces: respiratory protection</p> <p><input checked="" type="radio"/> Skin protection</p> <p><input checked="" type="radio"/> Hand protection</p> <p><input checked="" type="radio"/> </p> <p><input checked="" type="radio"/> </p>	<p>*</p> <p>*</p> <p>*</p>
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* Instruction necessary

CHEMICAL SAFETY 2

Safety Check carried out on:
Action to be taken by:

<p>Possible problems</p> <p>Other materials used which contain dangerous substances</p> <p>Indicate name, supplier and hazard designation:</p>	<p>Questions and notes</p> <p>What precautions are necessary? (See instructions for use and safety info sheet)</p> <p>Mark action taken or complete as necessary <input type="radio"/></p> <p>Mark and carry out other (necessary) action <input checked="" type="radio"/></p>	<p>Action to improve safety</p> <p><input type="radio"/> Order safety info sheet from supplier</p> <p><input type="radio"/></p> <p><input type="radio"/></p> <p><input type="radio"/></p> <p><input type="radio"/></p>	<p>INFO</p>
<p>Dust caused by</p> <p>Cutting of pantiles</p>	<p>What precautions are taken to reduce dust make?</p> <p>Mark action taken or complete as necessary <input type="radio"/></p> <p>Mark and carry out other (necessary) action <input checked="" type="radio"/></p>	<p><input type="radio"/> Wet abrasion: use portable cutter with cut flushing and water recirculation</p> <p><input type="radio"/> Use tongs/hammer for soft clay tiles</p> <p><input type="radio"/> If dry abrasion necessary, use respiratory protection</p> <p><input type="radio"/></p> <p><input type="radio"/></p>	<p>* *</p>
<p>Asbestos</p>	<p>Does your firm perform asbestos removal work? (To be carried out only by staff with certified qualifications)</p> <p>NO: go on to next question</p> <p>YES: mark and carry out necessary precautions <input checked="" type="radio"/></p>	<p><input checked="" type="radio"/> Notify government inspectorate</p> <p><input checked="" type="radio"/> Draw up working plan with precautions to ensure protection of persons</p> <p><input type="radio"/> Extract asbestos dust directly with equipment specially approved for the purpose</p> <p><input type="radio"/> Pack asbestos-containing materials under sealed cover</p> <p><input type="radio"/> Remove asbestos cement products in such a way that no asbestos fibres can be released</p> <p><input type="radio"/></p> <p><input type="radio"/></p>	<p>TRGS 519</p> <p>* * *</p>

* Instruction necessary

FIRE AND EXPLOSION PROTECTION

Safety Check carried out on:
Action to be taken by:

Possible problems	Questions and notes	Action to improve safety	
Fire risk from Combustible building materials (roofing felt, etc.)	Have precautions been taken to prevent fire? Mark action taken or complete as necessary ○ Mark and carry out other (necessary) action ●	●○ Remove at once any combustible material which is no longer required ●○ ●○	* VBG1 Landesbauordnung INFO
	Are there suitable firefighting facilities? Mark action taken or complete as necessary ○ Mark and carry out other (necessary) action ●	●○ Fire extinguishers, sprinkler system (where?) ●○ Emergency plan and instruction of workers in emergency procedure (how often?) ●○ ●○	ZH 1/201 *
Open flames/gas discharge from heating appliances or torches Ignition of melted material in melting appliances	Is the equipment used so prepared that the fire hazard is as small as possible? Mark action taken or complete as necessary ○ Mark and carry out other (necessary) action ●	●○ Flame automatically turned down as soon as the torch is set down ●○ Use hand torches with system for temporary stoppage of work ●○ Check melting temperature ●○ Lower material to be melted slowly into the molten mass ●○ ●○	VBG 43 * *
Potentially explosive atmosphere resulting from Evaporation of solvents in enclosed spaces Uncontrolled gas discharge from liquified-gas appliances	Are precautions taken to prevent the formation of potentially explosive atmospheres? Mark action taken or complete as necessary ○ Mark and carry out other (necessary) action ●	●○ During work in enclosed spaces: ventilation and extraction ●○ High pressure hoses to be used to connect the torch and gas cylinder ●○ Pressure reducers between gas cylinder and appliance ●○ Automatic cut-off of fuel supply if flame extinguished ●○ ●○	* ZH 1/10 ZH 1/455 *

* Instruction necessary

WORKPLACE DESIGN

Safety Check carried out on:
Action to be taken by:

Possible problems	Questions and notes	Action to improve safety	
Bad weather conditions Cold Heat Precipitation Darkness	Are precautions taken to ensure safe working conditions? Mark action taken or complete as necessary ○ Mark and carry out other (necessary) action ●	●○ Introduce flexible working hours for heatwaves or bad weather ●○ In bad weather: plan work unaffected by weather ●○ Use solar protection ●○ If daylight inadequate, provide additional lighting ●○ Winter clothing and raingear ●○ ●○	ZH 1/453 * * * INFO
Hazardous workplaces Sloping roofs Thatched roofs Fragile roofs	Are the workplaces and working methods so arranged that work can be performed at minimum risk? Mark action taken or complete as necessary ○ Mark and carry out other (necessary) action ●	●○ On roofs sloping at more than 45° make special workplace arrangements ●○ Use roof ladders (up to 75°) or safety chair ●○ On thatched roofs: use chairs and ladders with at least two securing spikes ●○ Plan for tool availability before workers go onto the roof ●○ Do not walk on corrugated board roofs except on crawling boards ●○ ●○	* * * * *
Physical stress Lifting and carrying of loads (e.g. pan-tiles, hand-held circular saw) ☹ Arduous postures (e.g. kneeling on the roof or during cutting, etc.)	Have precautions been taken to prevent physical overloads which could be harmful to health? Mark action taken or complete as necessary ○ Mark and carry out other (necessary) action ●	●○ Limit the weights of individual loads or subdivide them ●○ Use hoists ●○ Change posture frequently on the roof ●○ Use roof ladders or safety chairs ●○ ●○	* * *

* Instruction necessary

WORK ORGANISATION AND CONDUCT 1

Safety Check carried out on:
Action to be taken by:

<p>Possible problems</p> <p>Failure to take hazards seriously ☺ (perhaps through lack of knowledge)</p> <p>Failure to take safety precautions systematically</p> <p>Negligent failure to use dust-reducing methods of work</p> <p>.....</p> <p>.....</p>	<p>Questions and notes</p> <p>Do workers regard it as natural to take safety precautions?</p> <p>Mark action taken or complete as necessary ○</p> <p>Mark and carry out other (necessary) action ●</p>	<p>Action to improve safety</p> <p>●○ Last/next safety instruction session on:/.....</p> <p>●○ Promote acceptance of safety measures</p> <p>●○ Build up safety awareness</p> <p>●○ Encourage awareness of responsibility for workmates' safety</p> <p>●○</p> <p>●○</p>	
<p>Stress resulting from</p> <p>Failure to plan in good time for equipment availability on site ☺</p> <p>Over-tight schedules</p> <p>.....</p> <p>.....</p>	<p>Is the work to be carried out on site planned well in advance at the firm's premises?</p> <p>Mark action taken or complete as necessary ○</p> <p>Mark and carry out other (necessary) action ●</p>	<p>●○ Plan safety measures before calculating costs</p> <p>●○ Schedule activities and allocate to workers in good time</p> <p>●○ Consult with other trades active on the same site</p> <p>●○ As standard practice, carry basic tools and safety equipment</p> <p>●○ Plan for equipment availability before leaving the firm's premises, not on arrival on site</p> <p>●○ Provide sufficient tools and consumables (nails, hammers, etc.)</p> <p>●○</p> <p>●○</p>	<p>*</p> <p>*</p> <p>*</p>
<p>Problems between workmates</p> <p>Lack of awareness of responsibility for others</p> <p>Negative attitude to team work</p> <p>.....</p> <p>.....</p>	<p>Are there workers whom others do not like to have as members of the same team?</p> <p>NO: go on to next question</p> <p>YES: mark and carry out necessary action ●</p>	<p>● Build up awareness of responsibility in all workers</p> <p>● Discuss problem on individual basis</p> <p>●</p> <p>●</p>	<p>*</p>

* Instruction necessary

WORK ORGANISATION AND CONDUCT 2

Safety Check carried out on:
Action to be taken by:

Possible problems	Questions and notes	Action to improve safety	
Wrong action taken in emergencies	Are workers regularly informed of the action to be taken in emergencies? Mark action taken or complete as necessary <input type="radio"/> Mark and carry out other (necessary) action <input checked="" type="radio"/>	<input checked="" type="radio"/> Give workers instruction in first aid and first aid equipment (how often?) <input checked="" type="radio"/> Appoint and train first-aiders <input checked="" type="radio"/> <input checked="" type="radio"/>	VBG 1 VBG 109 INFO

Defects in protective equipment used Defective fall arrest equipment Wrong respirators Ear plugs with cracked inserts Insecure fixing points (for safety belts and barriers) Protective barriers incorrectly fitted	Is safety equipment checked to ensure that it is suitable for use? Mark action taken or complete as necessary <input type="radio"/> Mark and carry out other (necessary) action <input checked="" type="radio"/>	<input checked="" type="radio"/> Use catch devices only if it is not possible to provide guards to prevent falls <input checked="" type="radio"/> Adapt the safety precautions as work progresses, especially on large roofs <input checked="" type="radio"/> Always check equipment visually before use <input checked="" type="radio"/> Have functional tests carried out by qualified persons regularly and after severe use (especially for safety belts) <input checked="" type="radio"/> Use suitable fixing points for safety belts and barriers <input checked="" type="radio"/> Protect belts and ropes from exposure to the sun and other weathering during storage <input checked="" type="radio"/> <input checked="" type="radio"/>	* ZH 1/584 ZH 1/709 * * * *
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Defective or wrongly used equipment Defective ladders Damaged hand-held machines	Is defective equipment used or is equipment used wrongly? Mark action taken or complete as necessary <input type="radio"/> Mark and carry out other (necessary) action <input checked="" type="radio"/>	<input checked="" type="radio"/> Do not use damaged equipment <input checked="" type="radio"/> Report defective equipment to the person responsible so that it can be repaired <input checked="" type="radio"/> Ensure adequate supply of parts liable to wear <input checked="" type="radio"/> Have defective electrical equipment repaired by qualified staff <input checked="" type="radio"/> <input checked="" type="radio"/>	* *
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* Instruction necessary

RULES, STANDARDS AND REGULATIONS FOR ROOFERS

VBG 37 Building work
ZH 1/543 Roofwork

Accident prevention regulations (of employer's liability insurance associations)

VBG 1 General regulations
VBG 4 Electrical systems and equipment
VBG 5 Power operated equipment
VBG 35 Building hoists
VBG 43 Heating, flame-cleaning and melting appliances for construction and assembly work
VBG 73 Ladders and steps
VBG 109 First aid
VBG 121 Noise

ZH 1-Publications

ZH 1/10 Explosion protection guidelines (EX-RL)
ZH 1/201 Rules for the provision of fire extinguishers at workplaces
ZH 1/294 Rules for safety and health protection in the handling of artificial mineral fibres
ZH 455 Guidelines for the use of liquified gas
ZH 1/560 Safety net rules
ZH 1/584 Rules for the safety of drop edge and roof protection barriers provided to guard against falls during building work
ZH 1/705 Rules for the use of ear defenders
ZH 1/709 Rules for the use of personal fall arrest equipment

Other rules, standards and regulations

DIN VDE 0100 Part 704:
Installation of power systems rated at up to 1000 V - building sites
VbF Flammable Fluids Order
TRGS 519 Technical Regulation for Dangerous Substances: asbestos – demolition, removal or maintenance work

Landesbauordnung (Regional Building Regulations)
ArbStättV Workplaces Order

Further information is available:

in the instructions for use and safety information sheets of the products used
and from your liability insurance association.

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