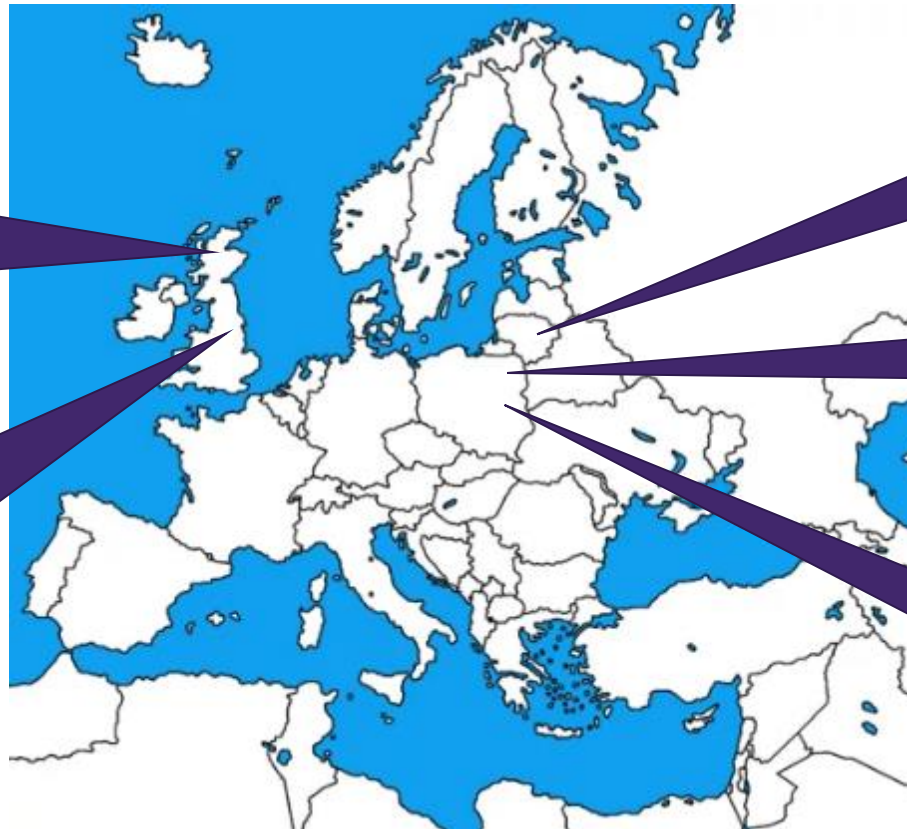


Slips, trips and Falls

Slips, trips and Falls

Recently there have been some incidents within CEMEX EUROPE resulting from failure to enter / leave workplaces and vehicles safely. Whilst each of these incidents had different factors involved, they all had a common theme, an injury caused by a slip, trip or fall. These events highlight the need for employees to ensure they always adopt 3 points of contact, take care when stepping down and also ensure that housekeeping maintains a clean & tidy work area to avoid trip hazards.



West Europe Materials-UK:
An employee was scraping the snow and ice from his car windows. As he opened his door, he slipped and fell backwards and put his hand down to arrest his fall. The employee suffered a cracked wrist and will be on restricted light duties.

West Europe Materials-UK:
The driver was getting out of his cab to do a truck check. He had his PPE on except his safety helmet. He had one foot on the step and the other on the ground. His foot on the ground was on some mud and he slipped and hit his head on the railings at the back of him.

Cement-LAT: A Contractor tripped and fell in a construction site of clinker storage. The contractor was running to take next piece. The working area was uneven, with a lot of steel bars and he edge of concrete basement where he stepped and fell.

Central Europe Materials-GER: During cleaning work with a jackhammer in a compulsory mixer the employee slipped. He trapped his finger. The employee suffered a fracture.

Central Europe Materials-GER: When working at his truck mixer, the driver slipped due to the smooth surface. He fell with the left side of the upper body on the rear bumper of the truck mixer.

UK SAFETY ALERT

UK SA01/2019 – 11.01.19

Display Until
08.03.19



EMPLOYEE SLIPS ON ICE

DETAILS OF THE INCIDENT:

At 22:00, after finishing an afternoon shift at a Quarry, an employee went to his car to go home. The car was covered in ice and snow, so the employee started to clear it. As he finished, the employee opened his car door and, in doing so, slipped backwards. As he fell, he put his hands back to break his fall and injured his wrist. The temperature was below -5C; the area had been gritted a few hours earlier.

KEY FINDINGS:

- Some of the grit hadn't covered all the area, causing it to be slippery under foot.
- The employee was wearing boots.
- He had noticed a few patches of ice but did not spread extra grit and carried on to clear his car and go home.

HOW COULD THIS HAVE BEEN AVOIDED?

- Work areas and conditions should be routinely monitored during adverse weather, with appropriate action being taken; we all have a responsibility to report any near misses and hazards.
- The employee could have taken more care when walking around his car, especially in the area between the cars which hadn't been trafficked.
- He could have applied more salt to ensure the area was safe.



Ice patch
unnoticed by
the injured
person

KEY REVIEW POINTS:

- During the winter months, ensure arrangements are in place to clear ice / snow from designated pedestrian routes and work areas and to routinely monitor the conditions.
- We should all Look After Ourselves and Each Other, reporting any near misses and hazards, taking action to ensure areas are safe where we can, without putting ourselves at risk.
- Minimise the risk of slips, trips and falls by wearing suitable footwear, following designated routes and by always getting a grip on steps and stairways.
- We must all ensure we don't switch off when we are on our way home; always **STOP & THINK** and check it is safe.

Look after yourself and each other

Don't let anyone act unsafely, always stop unsafe practices.

Get a grip

Hold handrails on stairways and use three points of contact when getting into/out of vehicles.

Housekeeping

Keep designated access routes and work areas tidy and free from trip/slip hazards.

Personal Protective Equipment

Always wear the correct PPE.

Safe Systems

Follow safe systems of work, site rules, signage and traffic signals.

Incident/Hazard alerts

Report all incidents/hazards immediately.



UK SAFETY ALERT

UK SA02/2019 – 18.02.19

Display Until:
29.03.19



MIXER DRIVER INJURED STEPPING DOWN FROM VEHICLE

DETAILS OF THE INCIDENT:

A mixer truck driver parked his vehicle alongside a fence on a plant to carry out his pre-start checks. As the driver got down from his cab, he stepped into a muddy patch and his foot slipped and went from underneath him, throwing him backwards onto the metal railings. Unfortunately the driver was not yet wearing his hard hat; he suffered a gash to his head and a bruised elbow and back. The cut had to be glued in hospital.

KEY FINDINGS:

- The ground was wet, icy and muddy
- The driver wasn't wearing his hard hat
- The vehicle was parked too close to the fence

HOW COULD THIS HAVE BEEN AVOIDED?

- By parking in a different area, with better ground conditions, and away from the fence.
- Considering where we are placing our feet
- Maintaining 3 points of contact when stepping down from the vehicle.

KEY REVIEW POINTS:

- Are truck checks carried out in suitable designated areas, well lit, gritted as necessary and away from traffic routes?
- Are the MYSACE principles periodically reviewed with teams?
- Do we all look where we are placing our feet?
- Does everyone wear full PPE in plant / yard areas and when carrying out tasks such as truck checks?
- Do you Get a Grip and always maintain 3 points of contact on steps and stairways?



Look after yourself and each other

Don't let anyone act unsafely, always stop unsafe practices.

Get a grip

Hold handrails on stairways and use three points of contact when getting into/out of vehicles.

Housekeeping

Keep designated access routes and work areas tidy and free from trip/slip hazards.

Personal Protective Equipment

Always wear the correct PPE.

Incident/Hazard alerts

Report all incidents/hazards immediately.



Incident Learning Points Summary

RWI – Contractor – Broceni Cement plant 14.01.2019

Latvia



Brief Details of Incident

In the Clinker Storage ongoing reconstruction works which are carried out by construction company. One of the contractor workers (IP) trip and fall in a construction site of clinker storage. After the incident IP felt pain in the ankle, informed his supervisor and was transported to the doctor who detected sprain and recommended to save ankle for at least one week. IP was from the team who assembling steel reinforcement before casting. According the explanation, IP was running to take next peace. In a working area was uneven surface, a lot of steel bars and edge of concrete basement where he step on and fall.

Learning Points before Investigation

- ✓ Injured Person wore all PPE's including safety boots covering ankle and complying with CEMEX PPE Standard.
- ✓ Injured Person had valid H&S training records and health check.
- ✓ Company has passed contractors third party approval process.
- ✗ Despite safety boots were according PPE Standard, for such working conditions more proper could be higher safety boots. After the incident company decided to test higher safety boots.
- ✗ This team was paid for job done, what motivate them work faster and even run. At the end rush contributed lack of concentration.
- ✗ Poor housekeeping was accepted as common situation in construction site.



Location of incident



Type of safety boots IP had

Incident Learning Points Summary

Rmx- Plant Potsdam - RWI – Fall due to freezing Wetness

Incident description

At the beginning of work early in the morning, an employee drove his truck mixer under the mixer tower and filled the water tank at the truck.

To unscrew the water hose after filling, he walked around the vehicle and slid on the icy surface.

He crashed onto the rear bumper of the truck mixer and bruised the left side of his upper body.



Hose for filling



Stopcock on the vehicle

Learning Points From Investigation

- ✓ The employee was wearing his full PPE
- ✓ The employee was currently instructed. Advices on safe behavior in snow and icy conditions by the current winter season were communicated.
- ✓ Winter service arrangements are available at the site.
- ✓ First aid measures were quick and effective
- ✗ The slippery spot was not recognizable or foreseeable for the employee as the ground was grippy around the area of the accident.
- ✗ Danger of slipping in winter should have been aware of the driver. The employee was not sufficiently sensitized to the topic. Especially in the mornings and at frost, employees must be aware of danger zones where "Black ice" occurs and spread frozen areas, if necessary.



Accident location



Accident scene simulated

Activities:

- Check winter service for improvements
- perform short instruction "Snow & Danger of slipping in Winter" with checklist "Snow & Ice"

Date of Incident: 1st February 2019



Germany

Incident Learning Points Summary

RLP / CEMEX Transmobil H 770 Munich/ RWI Own employee – 30.01.2019

Brief Details of Incident

On 30.01.2019 at approx. 11.00 a.m. while cleaning the mixer shaft, the injured person crushed his little finger of the left hand and broke the last phalanx. According to his description, he slipped down, fell forward and hit the shaft uncontrolledly. Despite the glove, the fingertip burst open and the bone broke. The wound was treated in the hospital (Munich Clinic Schwabing; Kölner Platz 1; 80804 Munich).

Learning Points From Investigation

- ✓ The casualty wore the complete and prescribed PPE, including gloves, non-slip footwear (safety shoes S3).
- ✓ Experienced, prudent and reliable employee
- ✓ Regular internal/external trainings
- ✓ The procedure was sufficiently well known.
- ✗ Narrow space in the area of the compulsory mixer
- ✗ Winter conditions (frost, humidity, cold, winter clothing)
- ✗ Lack of automatic mixer cleaning requires regular manual cleaning of the compulsory mixer

Actions to be taken

- Process is part of normal working procedure, if necessary the problem of routine and a subjectively felt time pressure must be considered here - Training - Need for talks GL/EE – Discussion on return
- Effectiveness control/review of the GFB.
- **Installation of automatic mixer cleaning.** Cleaning work as described above is required at regular intervals. An automatic mixer cleaning would reduce the necessity to a minimum.
- Afterwards the responsible person has to check to what extent better gloves (with protectors or similar) could improve the situation.



Posture when chiseling out



Bumped into part of the shaft to be cleaned

Slipped and pushed the arm

Photos CMainardy_H770_2019 02 06

How to address slips, trips and falls prevention?

Unsafe Conditions



Unsafe Behaviors



Identify Hazards and Controls for Unsafe conditions and behaviors

Hazards

Question 1 – What are the hazards / factors which contribute to incidents associated with Slips, trips and falls?

- No handrail or not using the handrail(s)
- Shoes dirty / greasy / worn tread
- Poor lighting
- Poor housekeeping - articles left / stored on stairways
- Footwear not offering sufficient ankle protection
- Stepping down onto uneven or soft ground
- Stepping onto objects
- Worn / slippery steps
- Haste / short cut – running / missing a step
- Simply not looking where you put your feet
- Not using correct means of access
- Carrying tools / equipment / mobile phones or coffee mugs whilst going up and down stairs
- Complacency, Rushing, frustration, fatigue.

TREAD CAREFULLY!



Controls

Question 2 – What are the controls for these hazards?

- Complete a hazard alert report for stairs which are missing a handrail
- Ensure the wearing of lace-up safety boots on operational sites - rigger boots and other pull on boots do not offer sufficient ankle protection
- Ensure that boots are clean, free from dirt & grease and in a good condition?
- Use the principles of 'MYSPACE' when stepping down – what can hurt me? Check for uneven ground or stepping onto objects and equipment. What is the housekeeping like on your site?
- Only use equipment / steps which are fit for purpose – do not stand on a chair to reach on top of the cupboard, do not stand on the wheel arch of a vehicle
- Do not rush, run or miss steps - they have been designed for your safety
- Challenge anyone not holding a handrail
- Avoid carrying anything whilst going up / down steps
- Look out for and challenge unsafe behaviors.
- Stop, think and Act.
- **Fully implement 5S to minimize the risk of slips, trips and falls**

