

Safety instructions VV33 Working safely in extreme heat - Heat plan	 Balen/Pelt
Date of first release:	

Type of last amendment:	
Date of last modification:	

Contents

1	PURPOSE	2
2	APPLICATION AREA	2
3	DEFINITIONS	2
4	PRESCRIPTION.....	2
4.1	General procedure.....	2
4.2	Measures in case of strong winds.....	Error! Bookmark not defined.
4.3	Technical measures.....	3
4.4	Shielding from heat sources.....	3
4.5	Personal protection	3
4.6	Hydration	3
4.7	Health and surveillance.....	3
4.7.1	Supervision	3
4.7.2	Actions in case of symptoms.....	3
4.7.3	Additional measures	3

Safety instructions VV33

Working safely in extreme heat - Heat plan



1 PURPOSE

React appropriately at high temperatures to ensure that work only takes place in safe conditions and to prevent health risks due to heat.

2 APPLICATION AREA

This procedure applies to all work carried out by Nyrstar employees and third parties on the Nyrstar Balen en Pelt site in hot weather conditions.

3 DEFINITIONS

Working in heat is understood to mean: work carried out at high ambient temperatures where there is a risk of heat stress, such as heavy physical work or working near heat sources. The guideline value is an outside temperature of $\geq 30^{\circ}\text{C}$ for heavy work.

4 PRESCRIPTION

4.1 General procedure

At high temperatures, it should always be considered to adjust, postpone or stop work if safety or health is compromised. Everyone has the right to apply the **stop reflex** in dangerous situations due to heat.

4.2 Organizational measures

Organizing work

- Postpone heavy work to cooler periods if possible
- Shifting work to cooler times of the day (night/morning)
- Avoid heavy work between **12 noon and 4 pm**
- Provide a variety between heavy and light tasks
- Apply task rotation between employees

Limit working hours

- Provide shorter work periods and more moments of rest
- Mandatory rest breaks in a cool room
- Working according to work/rest schedules

Principle:

→ The harder the work, the more rest is necessary

Safety instructions VV33

Working safely in extreme heat - Heat plan



4.3 Technical measures

If possible, the following measures should be taken:

- Creating shadow zones
- Moving mobile operations to cooler locations
- Use of ventilation or mobile cooling
- Shielding from heat sources
- Cooling or humidifying the workplace
- Equipped with refrigerated rest areas

4.4 Personal protection

- Wear light, breathable and protective workwear
- Adaptation of PPE only in consultation with manager or prevention service (risk analysis mandatory)

4.5 Hydration

- Cool drinking water must be available at all times
- Regular drinking should be actively encouraged

4.6 Health and surveillance

4.6.1 Supervision

Managers and employees should be alert to symptoms of heat stress:

- Dizziness
- Headache
- Cramps
- Confusion

4.6.2 Actions in case of symptoms

- Stop work immediately
- Taking a rest in a cool environment
- Active cooling
- Sufficient fluids

4.6.3 Additional measures

- Applying the buddy system (colleagues check each other)
- Raising awareness through toolboxes, posters and VSM
- Adjust workloads where possible
- Feeding recommendation:
 - Drink enough
 - Light meals
 - No alcohol
 - Use of hypotonic sports drinks as a supplement possible

Safety instructions VV33

Working safely in extreme heat - Heat plan



4.7 Summary

When working in heat:

- Respect temperature thresholds
- Provide water and shade
- Adjust working hours
- Provide adequate rest and cooling
- Lighten the load and rotate tasks
- Stop immediately if symptoms