

WORKING ENVIRONMENT ADDITIONAL RULES POLYURETHANE WORK

This supplement to the work environment plan should be applied to workplaces where polyurethane products are used. The work environment plan must be available at the workplace.

Orientation

Developer:		Telephone:	
Entrepreneur:		Telephone:	
Floor-laying period:			
Extent:	Implementation of seamless flooring or other polyurethane coating.		

Contacts

Developer:		Telephone:	
Entrepreneur:		Telephone:	
Manufacturer:		Telephone:	

Polyurethane plastic

By polyurethane-based flooring products in this document are intended as two-component products that are either pigmented or transparent. The pigmented products can in some cases be filled with inorganic fillers to increase performance.

The base component consists of polyols which react with a hardener consisting of isocyanates. There are different types of isocyanates but preferably the types that have low volatility are used. During application, a faint odor emanating from the base component may arise. In normal application at room temperature, the hygienic limit value for the product is not exceeded. The product must not be used as a spray.

People who are hypersensitive to isocyanates, ie. Acquired an isocyanic allergy earlier, can have significant problems even at levels below the hygienic limit and should not be present when applying polyurethane products.

Coatings carried out must harden the specified time in the supplier's recommendation before loading.

The planning of the implementation should be done in consultation with the relevant professional groups from different areas.

Work with Polyurethane products must be carried out by persons who have undergone thermosetting plastic training

Preparatory measures to take in the workplace

- Inform everyone in the workplace that polyurethane work is going on for a certain period and allow everyone to get answers to their questions.
- Ensure that people with hypersensitivity to polyurethane do not stay in the workroom during the laying period.
- Define and block the area with demarcation tape. Lock doors etc.
- Set up a warning sign that tells you the type of the thermosetting plastic used, when you are allowed to enter the area again and who can provide more information.
- The mixing site is secured so that splashes are prevented and spillage can be easily handled.
- Ensure that the ventilation is good in the room and that no unpleasant odor is spread to adjacent rooms.
- Safety data sheets and safety instructions should be available at the contractor.
- If coating should be done on hot surfaces (40 ° C), a compressed air mask must be used.

Specific measures for polyurethane-based coatings

- Protective equipment, first aid kit, eye shower and the opportunity to wash off should be available at the workplace.
- Absorbent cleaning materials should be available in the workplace.
- Consuming any food, beverage or using cosmetics, etc during work is strictly prohibited.
- Protective gloves and long sleeve clothing should be used to avoid splashes on the skin.
- Protective goggles or visors should be used when there is a risk of splashing.
- Wash with soap and water when in direct contact with the polyurethane.
- Rinse with an eye shower for about 15 minutes and consult a doctor if you get a splash of hardener in the eyes.
- Contaminated clothing must be changed to clean clothing if there is a risk of skin contact.
- Waste containing uncured components must be disposed of as hazardous waste. These must be disposed of per the Waste Ordinance and submitted to an approved recipient of hazardous waste.
- If the floor mass, hardener or base comes in contact with the sewerage network, contact the environmental office in the respective municipality and emergency services if large quantities are involved.

Rules and regulations

- For anyone who works with urethane products, there are requirements for medical control and thermosetting plastic training according to the Swedish Work Environment Authority's regulations on thermosetting plastics (AFS 2005: 18).
- For anyone who works with urethane products, periodic medical examinations with a service assessment are required per the Swedish Work Environment Authority's regulations on medical controls in working life.
- Other applicable rules:
 - The Swedish Work Environment Authority's regulation on Chemical Hazards in the Working Environment, AFS 2014: 43
 - The Swedish Work Environment Authority's regulation on hygienic limit values, AFS 2015: 7
 - Building and civil engineering work, AFS 1999: 3.
 - The Flammable and Explosive Goods Act, SFS 2010: 1011
 - The General Code of the Environmental Code, Chapter 2, and special rules on chemical products in Chapter 14.
- Work may be carried out during daily operations with other activities on the premises only if the above measures have been taken.

If you have any questions regarding the flooring materials, please contact the flooring worker at the workplace, their supervisor or the material manufacturer.