

MSDS Precast Stairs

1. Identification of product:

1.1 Precast concrete stairs for use in inter floor access in building structures.

1.2 Name of Company:

Flood Flooring Ltd.

Phone:

049 – 8541477

1.3 Application

Use of precast Concrete stairs should be in accordance with the relevant National / European codes of practice.

2. Composition of ingredients

Precast concrete stairs are a mixture of natural aggregates, cement, water, steel reinforcements and components. Admixtures may be added to modify the properties of the concrete used in the manufacture of the concrete stairs.

3. Hazard identification.

3.1 Concrete precast stairs are abrasive

3.2 Stairs are products of significant size and weight typically ranging from 0.5 tonnes to over 7.0 tonnes depending on dimensions and should be handled accordingly.

3.3 The strength of the concrete in the stairs must have achieved its specified design strength before It is subjective to construction or service loading.
If in any doubt check directly with the manufacturer.

3.4 Cutting / Altering of concrete stairs may cause structural failure / collapse of the floor slab.
Cutting / Altering of the stairs is not permitted without written approval from the manufacturer.

3.5 Cutting or hammering concrete stairs can cause dust and if inhaled in excessive quantities over

extended periods, Respirable dust can constitute a long-term hazard. Cutting, drilling or hammering concrete stairs unless adequately controlled can project particles at high velocity with consequent risk of impact damage and or injury to exposed areas of the body and eyes. When cutting use equipment suitable for concrete and steel in accordance with tool manufacturers instructions!

3.6 Projecting steel from precast concrete stairs can cause serious injury.

3.7 Overloading of the slab during construction or service may cause failure of the floors.
Loads should not exceed design loads stated on drawings. If in doubt check with the concrete stairs manufacturer.

3.8 The temporary or permanent support of the concrete stairs must be protected against Impact Damage

3.9 Props / walls / structural frames supporting precast concrete stairs must not be altered in any way where it might undermine / cause failure of the stairs support.

Precast Stairs

4. First aid measures

4.1 First Aid Treatment is as follows.

EYE CONTACT .

Immediately rinse under running water and seek medical assistance.

CUTS

Cuts, abrasions from the concrete stairs should be cleaned and treated using the normal first aid method. Wounds must receive prompt medical attention. In all cases of doubt or where symptoms persist medical advice must be obtained.

5.

5.1 Fire fighting measures

Non- applicable

6. Accidental Release Measures

6.1 Avoid contact with skin

6.2 Tidy up debris from broken concrete stairs

7. Handling and Storage

7.1 Protect skin when handling concrete stairs.

7.2 Use suitable handling and transport equipment when handling concrete stairs.

7.3 Always follow safe lifting and manual handling programs.

7.4 Confirm magnitude of load/weight before lifting or handling (refer to manufacturer's drawings and details)

7.5 Ensure all crane work and associated lifting tackle complies with the approved crane operating procedures.

7.6 When connecting lifting tackle to the slabs correct lifting attachments (at the specified lifting point) must be used.

7.7 Concrete stairs while being handled are prone to erratic and unpredictable movement.

Use only lifting points noted on the erection / handling diagram on the drawings. Ensure lifting tackle e.g. Chains are adjusted to the correct length to ensure a stable balanced lift.

Ensure structural capacities adequacy of props /walls / structural frame when placing and erecting concrete stairs.

7.8 Temporary propping is required and must be adequate to carry the Load as indicated on manufacturers drawing and must be inspected by the customer at intervals as set out in the legislation.

8. Exposure Controls— Personal Protection.

8.1 Hand protection

Wear suitable protective gloves.

8.2 Skin Protection

Avoid contact with skin.

8.3 Eye Protection.

Avoid contact with eyes

8.4 Masks

Wear appropriate respiratory protection when having to cut stairs or do any drilling.

8.5 Footwear

Wear footwear with protective toe caps when working with stairs.

9. Physical & Chemical Properties

Concrete stairs are usually grey in colour. The product is abrasive.

10. Stability & Reactivity

Ensure integrity and stability whilst stored on site.

11. Toxicological Information

Not applicable.

12. Ecological Information

Precast concrete stairs have no ecological effects.

13. Disposal Considerations

Concrete plates may be recycled or placed in approved landfill.

14. Transport Information

Ensure security and safety of load at all times.

15. Regulatory Information

Not applicable.

16. Other Information

None.

Disclaimer

This Material Safety Data Sheet has been prepared by Flood Flooring Ltd. Every care has been taken to ensure that the information contained herein is correct and accurate at the date of publication. However, Flood Flooring cannot accept any responsibility or liability for any errors, inaccuracies or omissions which may have occurred inadvertently.