

SPECIFICATION AND METHODOLOGY FOR RAFT AND RETAINING WALL WITH CRSTALLINE WATERPROOFING

Raft and Retaining wall Criteria

- Fully cured -28 days
- Proper care should be taken for all the critical areas such as shuttering joints, Tie rods, honey combed areas etc. are grouted.

Specification for Raft and Retaining wall waterproofing:

Apply two coats of crystalline waterproofing system to the raft and retaining wall with **MYK AQUAFIN IC**.

The product should demonstrate following properties

- Chloride free
- Crack bridging -up to 0.4mm
- Resists water head pressure up to 13 bars (Both for positive and negative)

Products recommended

MYK Aquafin-IC is a single component crystalline waterproofing, continually active and also it can be applied on damp substrates.

Pack Size: 25 Kg Pack,

Consumption:

MYK Aquafin IC to be applied at 1.5 kg /m² in two coats for the raft and 1.2 kg /m² for retaining wall.

Methodology

Step-1:- Surface preparation

Step-2:- Mixing of **MYK Aquafin IC**

Step-3:- Application of **MYK Aquafin IC**

Surface preparation:

- Proper preparation of the substrate is essential for better adhesion with the forthcoming surface.
- The surface should be free from contamination such oil, grease, loose particle by a mechanical mean like wire brushing, vacuum cleaning
- If any visible cracks more than 0.4mm, make a V-groove which is 20mm wide and 25mm deep and filled with **MYK Asocrete IM** Crystalline mortar before application of the Waterproof coating.
- If smooth surface then it should be mechanically abraded in order to achieve good penetration.

Mixing of MYK Aquafin-IC:

- Take 6.75-8.0 lit of clean water in a clean container.
- Add 25 kg bag of **MYK Aquafin-IC** into the container and stir it thoroughly by a mechanical mean @500-700 rpm until a homogeneous mix is obtained.

Application MYK Aquafin IC:

- The substrate should be in surface saturated dry (SSD) condition.
- Care should be taken that there is no excess water standing on the floor.
- The **MYK Aquafin-IC** is applied horizontally in two coats.
- The material is applied with a brush evenly on the substrates.
- The second coat is applied on 'wet on wet' condition.

By brush:

The application of **MYK AQUAFIN-IC** is a simple brush application.

By spray:

MYK SCHOMBURG recommends the use of peristaltic motion spray pumps, which are the most, appropriate, Practical and economic method for **MYK AQUAFIN-IC** application on large area applications. Please, Refer to **MYK SCHOMBURG** for list of approved spray equipment.

Curing of MYK Aquafin-IC

Water curing is required 2 times in a day for 3 days.

The coated substrate/area can be exposed to:

- Rain after approx. 24 hours
- Foot traffic after approx. 5 day
- Backfilling after approx 3 days

WATCHPOINTS

- Proper care should be taken for the Tie rods.
- The pore should be kept open before doing the application of **MYK Aquafin IC**.
- Application of second coat should be timely applied.
- If the temperature will be more then curing will be done 3 times in a day.

Health & Safety

- Adopt health & safety regulations in accordance with local laws. Care should be taken when handling.
- **MYK AQUAFIN-IC** as it may cause irritation due to its cementitious nature (please refer to Material Safety Data Sheet for specifics).
- As typical on most job sites, applicators should wear protective clothing and gloves. Those handling and mixing **MYK AQUAFIN-IC** should wear a facemask. Safety shoes and helmets must be worn by staff at all-times.
- **MYK SCHOMBURG** recommends the enforcement of stringent health and safety measures on all job sites.