

**Water-repellent, flexible coating for  
concrete and cement supports, cisterns**

## HYDROSEAL

**Description:** **Hydroseal** is a flexible, dual-component cement coating, developed based on special synthetic resins and a cement component – quartz with a special granulometry.

**Characteristics:**

- Ready to use after mixing the two components.
- Water tight
- Flexible
- Excellent adherence to concrete, cement fillers and other construction materials such as natural and artificial stone, copper, etc.
- After setting completely, the product resists the freezing cycles and deicing salt, while remaining permeable to vapour.
- Non-toxic
- Thixotropic; easy application even on vertical partitions
- Economical
- Applicable by spray gun, brush or roller
- Applicable outside or inside (resistant to U.V. radiation)
- Good wear resistance
- Good water pressure resistance
- Good CO<sub>2</sub> resistance
- Protects against carbonatation

**Application:** **Hydroseal** can also be applied to both fresh and already existing concrete and is equally suitable for positive and negative water pressure. Due to its specific properties, **Hydroseal** is recommended for the water-tightness of:

- potable water reservoirs, water purification plants
- water tanks
- bathrooms, kitchens
- basements (on properly adherent cement fillers)
- interior and exterior wall surfaces in old and new constructions
- wet areas
- base coats before the painting of concrete blocks

**Application:**

▶ **Preparation of the support**  
The support must be clean, solid and in good condition. Sandblast or strip the paint. Remove all traces of paint. Very rough surfaces, cracks and honeycombing must first be rendered smoothed with Hydro+ mortar.  
The absorbent support (concrete, water-proofing layer, dry-dash) must be well moistened, preferably 24 hours in advance. There must no longer be any water retention during application, but the surface should still be moist, with a matt appearance.  
The temperature must be at least +5°C.  
Do not work in a full sun or on a hot dry base.

▶ **Mixture**

**For application by trowel:**

Pour  $\frac{3}{4}$  of component B (liquid) into a container, slowly add component A (powder) while stirring. Mix mechanically with the aid of an EZ mixer at a low-speed, to obtain a homogenous mass without lumps.

**For application by brush:**

Gradually add a small amount of component B to the mixture already obtained until the desired consistence is obtained.

▶ **Application**

**Hydroseal** is applied by brush, trowel or comb-like cutter blade onto the prepared support. The thickness of the coat, for the covering of walls and floors, should be 2.5 to 3 mm, depending on water pressure or wear. To obtain the desired thickness, the product must be applied in 2 coats, with a maximum of 1.5 mm. It is recommended to apply the second or third coat the next day.

▶ **Setting time/adherence**

Setting and hardening depend on the temperature.

At a temperature of 20 °C, a coat of **Hydroseal** can be walked at 16 hours, but it can only be subjected to mechanical stress after 3 days. Complete hardening is attained after 3 days. After this time, the coating may come into permanent contact with water.

Regular hardening and a high homogeneity are obtained if **Hydroseal** is not exposed to drying winds or intensive solar radiation.

▶ **Precautions in utilisation**

**Hydroseal** contains a cement which can cause irritation. Avoid prolonged contact with the water. Wear safety goggles and rubber gloves at all times. In the event of contact with the eyes, rinse immediately with clear water and consult a specialist.

**Consumption:** Approximately 6 kg per m<sup>2</sup> for a thickness of +/- 3 mm.

**Packaging and storage:**

**Hydroseal** is delivered in two units:

- Component A: 20 kg bag
- Component B: 5.5L container

Store away from freezing, in a cool and dry place.

Conservation: in its original packaging, closed: 12 months.