



IKS GEL CONCRETE

PRODUCT DESCRIPTION

It is a self-leveling, highly adhesive and decorative floor coating system. Compared to conventional concrete, it has higher durability, lower permeability and a longer service life.

SURFACE PREPARATION

The surface to be applied must be completely free of dust, dirt, oil and grease, paint, coating and fine plaster residues.

CLEANING

It can be cleaned with a wire brush, pressure water, sandblasting or compressed air.

SURFACE SMOOTHING (IMPORTANT STEPS)

If used for repair purposes, the surface needs to be mechanically roughened; -It needs to be lightly roughened, dust-free and clean.

SUMMARY:

1-Cleaning, 2-Removal of loose particles, 3-Smoothing, 4-Wetting
5-Application

APPLICATION

4 L of water is used for 20 kg of gel concrete. A homogeneous gel consistency is achieved by mixing cleanly. 2-3 minutes after mixing, the reaction balance is provided. It is applied to the surface with a trowel or wire brush. The layer thickness can be between 5-40 mm.

-The surface to be initially treated will be coated with latex.

-IKS gel concrete application is carried out after drying.

-Edges and joints are carefully corrected.

-After the product has hardened, it is coated with varnish to protect the floor.

TECHNICAL INFORMATION

Chemical Structure = Gel concrete contains a dense combination of non-silicon, colloidal silicon (CS), polymer gel or mineral gel additives that provide low permeability and high durability.

COMPRESSIVE STRENGTH

1 day:	20-35 MPa
7 days:	45-65 MPa
28 days :	70-90 MPa
Flexural Strength :	28 days : 7-12 MPa
Adhesion Strength	≥ 2,0 MPa
Water Permeability	< 0,5 MPa
Thermal Resistance	Up to +5° - +35° temperature stability
Mixing ratio	20 kg powder / 4L water

SHELF LIFE:

12-24 months in a closed dry environment

ATTENTION:

IT SHOULD BE USED WITHIN 30-60 MINUTES.

DURABILITY DECREASES IN EXCESSIVELY COLD ENVIRONMENTS.