

TECHNICAL DATA SHEET

ISONEM M 36

(Water Plug, Rapid Setting Mortar)

Product Description

It is the rapid setting mortar that is ready to use, instantly stopping the water leakages. When it comes into contact with water, it blocks water by setting in 40 seconds. ISONEM M 36 is used in drying active water streams and for surface water. ISONEM M 36 is for preparation for insulation by stopping water. It has high expansion property, does not shrink. It does not contain soda or chlorine, it does not harm the reinforcement and iron, the adherence property is excellent.

Usage Areas

- Stopping pressurized water,
- To stop water leaks before cement-based insulation is applied,
- In drying the surface and in the prevention of leakages coming from cracks,

Technical Specifications

Compressive strength (Mpa)	: ≥ 10, SINIF R1
Chloride ion content (%)	: ≤ 0,05
Adhesive bond (Mpa)	: ≥ 0,8
Setting time (sec)	: 40 - 50
Solvent	: Water
Class of fire reaction	: CLASS A2
Color	: Grey

Application Procedure

Application method: The application is made in powder form. Rubber gloves should be worn during application. To the prepared surface, a small amount of dust is taken into the palm for the buffer and the material is hand-pressed by hand to the area of the active water leakage. This process is continued until the powder hardens and water is cut off. After the water is stopped, the free material remaining on ISONEM M36 is cleaned with a dry brush. Then, ISONEM M 35 is applied in three layers to form permanent insulation. If ISONEM M 36 is applied as a mortar, it is mixed with clean water in 2/5 ratio (40%) and put into a paste consistency. This mixture is prepared kneadable without crumbling. This mortar starts to heat up with the reaction and the mortar that is heated is turned into a plug pressed into the hole where the water is released. It is expected to be fully hardened and the hand is held there for a while. As in the dry application, the ISONEM M35 is applied in three layers and the insulation is completed.

Application Conditions / Limitations

<u>Paintable (Coverage) Area</u>	: 5 kg: min. 2,5 L empty / PP bucket, 10 kg: min. 5 L space / PP bucket, 18 kg: min. 9 L space / PP bucket
<u>Application temperature (°C)</u>	: 5 - 35 °C

Things to consider during and after the application: The application surface must be clean and free from all impurities like dirt, oil, and mud.

Other ISONEM products recommended: ISONEM M 35 should be applied for permanent insulation.

IMPORTANT

The surface should be protected from rain, water, mechanical loads and impacts for 24 hours during and after the application.

Packaging & Storage

<u>Packaging</u>	: 5 kg, 10 kg and 18 kg PP in buckets
<u>Storage temperature (°C)</u>	: 5 - 35 °C
<u>Shelf life</u>	: 24 months from date of production if stored in original, unopened, undamaged packages.
<u>Storage condition</u>	: Store tightly closed in a dry and cool place.

Cleaning of Tools

Clean all tools and application equipment with clean water immediately after use.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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Isonem Paint and Insulation Technologies Construction Industry Trade Inc. - 35470/IZMIR ITOB OSB 10001 Sok. No:20 Tekeli Menderes / İzmir - TURKEY 19		
2765-CPR-0135 TS EN 1504-3: Concrete repair product for non- structural repair CC mortar (based on modified hydraulic cement) (M 36) DoP No: 21		
	STANDARD VALUE	CONTROL VALUE
Compressive strength	Class R1 ≥ 10 Mpa	11
Chloride ion content	\leq % 0,05	0,01
Adhesive bond	\geq 0,8 Mpa	0,9
Reaction to fire	Class A2	Class A2
Dangerous substances comply with 5.4		
Class of fire reaction: A2 S1 d0		

Statement of Responsibility

The technical information and application advice given in this ISONEM Paint & Insulation Technologies publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

