

KA Building Products

KA Super Plug™

Technical Datasheet

Rapid-setting hydraulic water-stop compound for active leaks in concrete and masonry

For rapid sealing of live water ingress, cracks, holes, joints and service penetrations prior to tanking or waterproofing works.

Document Reference	KA-TDS-SP-001
Version	Version 1.0
Date of Issue	11 July 2026
Product	KA Super Plug™

Product Description

KA Super Plug™ is a rapid-setting hydraulic repair compound designed to stop active water ingress through concrete, masonry, cracks, joints, holes and service penetrations. When mixed with clean water to a stiff putty-like consistency and pressed firmly into the leak point, it sets rapidly to form a durable, watertight plug suitable for use before applying KA Fillet Seal and KA Tanking Slurry.

Company Details

KA Building Products

Kenyon Agencies Ltd trading as KA Building Products
Cornwall, United Kingdom

Technical Support: KA Building Products Technical Department

Website / Email / Telephone: To be confirmed

Typical Uses

- Stopping active water leaks in concrete and masonry
- Sealing cracks, holes and construction joints
- Plugging water ingress around pipe penetrations and service entries
- Rapid repair of localised water points before tanking works
- Preparing weak points before applying KA Fillet Seal and KA Tanking Slurry
- Basements, cellars, retaining walls, tanks, pits and below-ground structures

Features and Benefits

- Ultra-rapid setting for emergency leak stopping
- Designed for active water ingress under pressure
- Expands slightly as it cures to help form a watertight seal
- Requires only the addition of clean water
- Can be applied by gloved hand or trowel
- Compatible with concrete and masonry substrates
- Part of the KA waterproofing system with KA Fillet Seal and KA Tanking Slurry

Technical Data

Property	Typical Value
Product type	Rapid-setting hydraulic water-stop compound
Colour	Grey powder
Pack size	To be confirmed
Mixing ratio	Add clean water gradually to form a stiff, putty-like consistency
Application method	Gloved hand, trowel or suitable hand tool
Working time	Typically 10–30 seconds depending on temperature and site conditions
Initial set	Within minutes depending on temperature and water addition
Application temperature	+5°C to +25°C recommended
Substrate condition	Clean, sound, keyed and damp
System compatibility	Suitable for use before KA Fillet Seal and KA Tanking Slurry

Yield / Approximate Filling Capacity

Yield will depend on the size and shape of the crack, hole, void or service penetration being treated. As a guide, the material should be mixed and applied in small quantities only, using enough product to fully pack the prepared recess and hold back active water ingress. Always allow for waste when sealing irregular openings or high-pressure leak points.

Surface Preparation

Correct surface preparation is essential to achieve a strong mechanical lock and prevent the plug being displaced by water pressure. All openings should be prepared immediately before mixing because KA Super Plug™ sets very quickly.

- Identify the exact point of water ingress.

- Open cracks, holes or joints to create a keyed recess, preferably wider inside than at the surface.
- Remove loose material, laitance, dust, debris and weak concrete or mortar.
- Rinse or dampen the prepared area with clean water.
- Ensure tools, materials and protective equipment are ready before mixing.

Mixing Instructions

Mix only the amount that can be placed immediately. Add clean water gradually to KA Super Plug™ powder and mix rapidly until a firm, stiff, putty-like consistency is achieved. The mix should be shapeable by gloved hand and must not be runny.

- Use clean water and clean mixing tools.
- Mix in very small batches only.
- Add powder to water and mix quickly by gloved hand or trowel.
- Form the material into a ball or plug for immediate placement.
- Do not over-water, over-mix or retemper material once it begins to stiffen.

Application Instructions

Immediately after mixing, press KA Super Plug™ firmly into the prepared opening using a gloved hand, trowel or suitable hand tool. Maintain continuous pressure until the compound has stiffened and the water flow has stopped.

- Form the mixed compound into a firm plug.
- Press directly into the leak point or prepared recess.
- Hold firmly in place for 30–60 seconds, or until set.
- If seepage continues, repeat with a fresh plug.
- Trim or smooth excess material once set.
- Allow the repair to stabilise before applying the next KA waterproofing system layer.

High-Pressure Water Points

For strong or concentrated water flow, a larger plug may be required. Where practical, temporarily reduce flow to allow the material to be pressed into place and held until set. Do not remove pressure too early, as this may allow the repair to blow out.

Pipe Penetrations and Service Entries

Service penetrations and pipe entries must be cleaned, opened and packed in small sections to create a continuous watertight seal around the penetration. Once the plug has set, complete the detail with KA Fillet Seal where required before applying KA Tanking Slurry.

Integration with KA Waterproofing System

1. Stop active leaks using KA Super Plug™.
2. Form wall-floor junctions and internal corners using KA Fillet Seal.
3. Apply KA Tanking Slurry in a minimum two-coat system.
4. Inspect all details and allow the system to cure correctly.
5. Apply suitable finishing systems only when the waterproofing system has cured and site conditions allow.

Curing and Overcoating

- KA Super Plug™ cures within minutes under normal conditions.
- Allow at least 30 minutes before applying KA Fillet Seal, subject to site conditions.
- Allow a minimum of 1 hour before applying KA Tanking Slurry, subject to site conditions.
- Inspect for secondary seepage and re-plug if required before proceeding.
- Protect from frost, disturbance and excessive water pressure during early curing.

Limitations

- Do not apply to unsound, friable, oily, contaminated or painted surfaces.
- Do not mix large batches due to the rapid setting time.
- Do not over-water or retemper once stiffening has begun.
- Do not use as a substitute for structural repair where movement or structural failure is present.
- Do not apply below +5°C or where temperatures may fall below +5°C during early curing.
- For high-pressure or complex water ingress, seek project-specific technical advice.

Storage and Shelf Life

Store KA Super Plug™ in original unopened packaging, clear of the ground, in cool, dry conditions. Protect from moisture, frost and direct sunlight. Shelf life is dependent on packaging, storage conditions and batch information. Always refer to the packaging and batch label before use.

Cleaning

Clean tools and equipment with clean water immediately after use. Hardened material must be removed mechanically.

Health and Safety

KA Super Plug™ contains cementitious materials and may cause skin and eye irritation. Wear suitable gloves, eye protection and protective clothing. Avoid inhalation of dust during mixing. In case of contact with eyes, rinse immediately with clean water and seek medical advice if irritation persists. Always refer to the current Safety Data Sheet before use.

Technical Support

For project-specific advice, substrate assessment, leak-stopping method selection or compatibility questions, contact KA Building Products technical support before application.

7. Pipe Penetrations & Service Entries

The information contained in this technical datasheet is provided in good faith and is based on current knowledge, typical site practice and laboratory guidance at the date of issue. Because substrates, workmanship, environmental conditions, water pressure and project requirements are outside the control of KA Building Products, no warranty is given or implied beyond the quality of the product as supplied. Users must satisfy themselves that the product is suitable for the intended application and must ensure that all work is carried out by competent persons in accordance with relevant British Standards, building regulations, project specifications and good building practice. Always refer to the latest version of this datasheet and the current Safety Data Sheet before use.