

Kemplug L

Quick Setting Waterproofing Liquid

Description	Kemplug L is a ready-to-use fast-setting liquid hardener for Portland cement mixes. Set times are reduced to minutes, which is useful when immediate hardening of cement mixes is required.
Where to use	Kemplug L retaining walls, dams, tunnels, sewers, wastewater treatment plants, mines, wells, elevator pits, and tanks. Kemplug L used: • To plug any leaks in any concrete or masonry surface. • To anchor bolts and other accessories that require immediate set. • In emergency repairs of broken water pipes. • To prevent seepage along cracks or seams at the floor and wall intersection and seal holes left by tie wires. • To seal all leaks around piping and conduit passing through concrete and masonry walls.
Advantages	• Kemplug L provides the following advantages: • Can be applied on new or old concrete. • Rapid setting properties allow leaks to be plugged up immediately. • Easy to use. • Immediate stopping for water leakage. • Non - Shrink. • Non - toxic. • Excellent adhesion to concrete and masonry. • Sets underwater.
Properties	
Form	Viscous
Color	Clear
Density	1.1 ±0.15 gm/cm ³
PH value	12
Mixing	• Mix quickly and thoroughly • Mixing ratio of cement Kemplug L as [3:1] pbw.
Application	<u>To stop streams of running water through walls:</u> • Open the crack or hole by cutting to a minimum depth and width of (2 cm). • Always undercut or cut square: do not use V-cut. • Flush away all cutting and dirt. • Add the fresh Portland cement to the material in a clean container and mix to a paste consistency. • Plug with Kemplug L mixed with cement (setting time 2 - 3 min). • Force mixed Kemplug L into crack or hole using maximum pressure at points of greater pressure, do not place mixed Kemplug L into the opening immediately. • Hold in hand or trowel until slight warmth or drying occurs, then press mixed Kemplug L firmly into the opening using maximum pressure. • Do not remove the trowel or hand too soon. • After stopping active water, cut off the patch and even the surrounding wall. • Apply a waterproofing slurry coat from Kemseal family to the surrounding areas. <u>To seal crack at the junction of floor and wall in existing construction:</u> • Cut out a crack at least 2 cm wide, and depth cutting back into the wall slightly. • Force mixed Kemplug L into a crack with a round tool forming a smooth cove at the junction <u>For anchoring bolts or metal posts in concrete or masonry:</u> • Drill a hole deep enough to properly secure the bolt or post and large enough so there is at least 2 cm on all sides of the bolt or post. • Fill with mixed Kemplug L and tamp to fill the entire hole. • Immediately center bolt or post over the hole and force it into mixed Kemplug L • Tamp firmly around the bolt or post and keep moist for 15 minutes. • Apply no pressure to bolt or post for 5 hrs.

Expansion Joints	• Shall be installed in accordance with local building codes. • Never bridge an expansion, contraction, or construction joint.
Theoretical coverage	600 cm ³ /kg
Packaging	5 Kg pails 20 Kg pails
Shelf life & Storage	Kemplug L has a shelf life of 12 months if kept unopened. Once opened, use as soon as possible to avoid air setting.
Precaution	• Do not mix more liquid than can be used in 2 minutes. • To stop leaks, do not apply mixed Kemplug L directly in the opening, but wait till mixed Kemplug L starts to set, then push it firmly into the leak and hold it till set is done • Mixed Kemplug L sets in 3 minutes at 20 °C • For cold weather conditions, use warm water in mixing. • For warm weather conditions, use cold even iced water to delay setting. • Keep the repair damp for another 15 minutes
Health and Safety	• Kemplug L is non-toxic if comes in contact with skin. • Use gloves to avoid contact with skins. • If skin comes in contact, wash immediately with soap and water. • Do not use solvents. • Eye contamination must be immediately washed with water, then seek medical treatment • Do not breathe dust, Use a practical mas
Additional Information	PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble-free durable structures. PROKEM designs tailor-made products should there be a critical application that requires specific properties rather than our main range for our customer's satisfaction. PROKEM reserves the right to change the properties of its products. All orders are accepted subject to our current terms of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.