

# **WATERPROOF MATERIALS**

**K13**

**K7 Waterplug**  
**K9 Waterproofing Latex**  
**K10 Seal**  
**K11 Waterproofing Slurry**  
**K12 Flex Waterproofing Slurry**  
**K13 High-flex Waterproofing Slurry**  
**WPS Waterproofing Mortar**



**GoMix**

# K13 HIGH-FLEX WATERPROOFING SLURRY

K13 High-Flex Waterproofing Slurry is a high flexible 2-part acrylic-modified cementitious waterproofing material. The 2-components of Gomix K13 react chemically after mixing to form a hard and elastic film which bonds tenaciously to most concrete or masonry substrate to protect against possible ingress of water.

## DESCRIPTION

- K13 is suitable for damp conditions such as basement, wet areas and external areas, of most sites where the surface has to be pre-washed prior to applying any waterproofing material.
- K13 is not affected by change in weather conditions in external areas application.
- K13 can receive direct plaster or screed without affecting bond.
- Marbles and tiles can be fixed directly onto K13.
- K13 can accommodate sufficient movement of structure up to 2mm width.
- K13 can be used as a repair material for bridging cracks in substrate or cracks due to shrinkage.



- 25 kg powder craft bags
- 18 kg latex plastic containers

## SUITABLE SUBSTRATE

- Concrete, Brickwork
- Precast Surface
- Lightweight Blocks
- Shotcrete, Roof

## ADVANTAGES

- 2 components eliminate risk of incorrect mixing ratio
- Seals lightweight aerated blocks
- Seals precast joints
- Anti-carbonation protection
- Non-toxic
- Highly flexible and elastic
- Will not attack metal
- No protection require prior to other types of finishes

## USES

Apply on interior and exterior surface of wall and slab, swimming pools, kitchens, toilets, balcony, water tanks. External areas parking deck, planter boxes, sealing precast joints and intersection of two concrete elements. Protection to lightweight blocks, hollow blocks, aerated blocks and roof.

## SURFACE PREPARATION

Clean the substrate of any protrusion or substances that may damage the membrane. Ensure all surfaces are free from dirt, dust, grease, oil, wax, curing compounds and any other loose contaminating materials. Fill all voids, cracks, edges and angles with suitable repair material, so that the prepared surface is sound, even and clean. Very porous surface must be primed with Gomix Primer prior to applying K13.

## APPLICATION

- Put K13 Liquid into a clean mixing container. Add the K13 Powder gradually while mixing until a lump free plastic consistency is achieved. Add 1-2 Kg water if necessary.
- It is recommended that mechanical mixing (400-500 rpm) should be used for 2-3 minutes to ensure proper dispersion of the components.

- Apply the mixed material onto the prepared surface using a block brush, squeegee or roller in a stifling action. Apply 2-3 coats finish depending on site conditions and film thickness required.
- If a trowel is used for application, all undulating or uneven areas must be patched to level before applying the Gomix K13 to prevent the material from building up too thick in one application.
- If a 2nd coat is applied, the 1st coat must be left dry tacky approximately 2-3 hours depending on the thickness, substrate porosity and the temperature.
- K13 must be protected by rendering or screeding after 3 days of application.

**Note:** If applied directly onto lightweight aerated block, the block must be primed with Gomix Primer until a colored tint is visible.

### STORAGE

- Min. 1 year when stored in covered, dry place.

### COVERAGE

K13 High-Flex Waterproofing Slurry provides a thickness of about 1 -1.5mm. Thickness of dry film should be maximum 3 mm.

- For ground moisture waterproof: Approx 1.7kg/m<sup>2</sup>
- For hydrostatic pressure waterproof: 2.5kg/m<sup>2</sup> (2 coats)
- For negative side waterproof: Approx 3.0kg/m<sup>2</sup>

### HEALTH & SAFETY

- Product contains cement, which may cause dermatitis.
- Wear rubber gloves when handling the product.
- In case of insufficient ventilation, put on suitable respiratory equipment.
- Do not apply the product when the surface temperature is below 5°C or greater than 45°C.
- Product is classified as non-hazardous.

### TECHNICAL INFORMATION

PRODUCT INFORMATION		
Tensile Strength	>1.9N/mm <sup>2</sup>	ASTM D412-92
Elongation at break	> 200%	ASTM D412-92
Adhesion to concrete	> 1.2 N/mm <sup>2</sup>	ASTM D4541
Hardness Shore A	> 95	ASTM S2240 : 91
Improves water resistance of concrete by more than 7 times @ 0.2kgf/cm <sup>2</sup>	Passed	DIN 1048
Chemical resistance	Passed	NaOCl-0.5% NH <sub>4</sub> OH-1.25% HCl-3.7%
Toxicity	Passed	BS 6920
Flexible over 25mm diameter mandrel	Passed	
Bridge cracks up to 2mm	-Passed	
Water vapour transmission	- < 25g/m <sup>2</sup> /24 hrs	
Chloride Content	< 0.01%	
Pot Life (@30°C)	Approx. 2 hours	
Drying Time (30°C) Touch Dry	Approx. 1 - 3 hours	
Foot Trafficable	4 hours	
Ponding Test	24 hours after application	

For further information consult our Technical Department

**GoMix Co., Limited**

**Hong Kong Office:** Bright Way Tower 33 Mong Kok Rd Mong Kok KL HK

**Guangzhou Office:** Rm 717-718, Huaerdun Hotel, #557, Xinshi R, Baiyun, Guangzhou, China

Tel.: 0086 20 6106 9818

Email: [hkgomix@gmail.com](mailto:hkgomix@gmail.com)

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