

# General Purpose 2 part cement & polymer based waterproofing compound Mortar

# K11 FLEX

2 - P A R T C E M E N T I T I O U S W A T E R P R O O F I N G

# Davco

## DESCRIPTION

**Davco K11 Flex is a General Purpose 2 part cement & polymer based waterproofing compound Mortar for wet areas, swimming pools, roof & terrace**

The application of Davco K11 Flex requires the surface to be saturated or wetted down prior to its application. This makes Davco K11 Flex an ideal product for waterproofing in damp conditions such as basement, wet areas and external areas where the surface has to be pre-washed prior to applying any waterproofing system. In external areas, application of Davco K11 Flex is not affected by change in weather conditions.

Davco K11 Flex can receive direct plaster or screed without affecting bond. Marbles and tiles can be fixed directly onto Davco K11 Flex.

Davco K11 Flex can accommodate slight movement of structure and can be used as a repair material for bridging cracks in substrate or cracks due to shrinkage up to 2mm wash.

## USES

Apply on internal and external 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.

## ADVANTAGES

- 2 component eliminates risk of incorrect mixing ratio
- Seals lightweight aerated blocks and precast joints
- Anti-carbonation protection
- Non-toxic
- Foot trafficable when cured
- Will not attack metal
- No protection require prior to fixing other types of finishes



## TECHNICAL DATA

Tensile Strength	>1.7N/mm <sup>2</sup>	ASTM D412-92
Elongation at break	>170%	ASTM D412-92
Adhesion to concrete	>1 N/mm <sup>2</sup>	ASTM D4541
Hardness Shore A	>75	ASTM D2240:91
Improves water resistance of concrete by more than 7times @0.2kgf/cm <sup>2</sup>	Passed	DIN 1048
Chemical resistance	Passed	NaOCl-0.5% NH4OH-1.25% HCl-3.7%
Toxicity	Passed	SS 375
Bridges crack upto 2mm	Passed	
Water vapor transmission	<25g/m <sup>2</sup> /24hrs	
Chloride Content	<0.01%	
Pot Life (@30°C)	2 hours	
Drying time (@30°C)	1-3 hours	
Foot trafficable	4 hours	
Ponding test	24 hours after application	

*Specifications are subject to change without notification.  
Results shown are typical but reflect test procedures used.  
Actual field performance will depend on installation methods*



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## SUITABLE SUBSTRATES

- Concrete Brickwork Precast Surface
- Lightweight Blocks Shotcrete

## 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 Lanko 701 or suitable repair material, so that the prepared surface is sound, even and clean.

## MIXING & APPLICATION

Put Davco K11 Flex Liquid into a clean mixing container. Add the Davco K11 Flex Powder gradually while mixing until a lump free plastic consistency is achieved. NO ADDITION OF WATER IS ALLOWED. It is recommended that mechanical mixing (400-500 rpm) should be used for 2-3 minutes to ensure proper dispersion of the components.

Pre-wet the surface with clean water. Do not allow water ponding. Very porous surface must be primed with Davco Primer prior to applying Davco K11 Flex. Apply the mixed material onto the prepared surface using a block brush, squeegee or roller in a stiffling action. Apply 1-2 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 Davco K11 Flex to prevent the material from building up too thick in one application.

Before a 2nd coat is applied, the 1st coat must be left for approximately 2-3 hours depending on the thickness, substrate porosity and the temperature until it is dry and tacky.

Davco K11 must be protected by rendering or screeding after application.

## PACKAGING

- 4.5 kg set (Flex + Bonding Agent in Container)
- 23 kg set (Flex 18kg + Bonding Agent 5 kg)

## COVERAGE

1.5 kg/m<sup>2</sup> for 2 coats, 1mm thickness

## SHELF LIFE

Shelf life up to 12 months stored in unopened bag in a cool dry elevated place.

## CLEANING

All tools and equipment should be cleaned immediately with clean water after use. Hardened material can only be removed mechanically.

## HEALTH AND 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.



### DISCLAIMER

The use of this product is beyond the manufacturer's control, and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. All workmanship must be carried out in accordance with ParexGroup's specific instructions. The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for a particular application. Users are asked to check that the literature in their possession is the latest issue.