

KEIMI K100

One component waterproofing material by crystallization.

DESCRIPTION

KEIMI K100 is a special blend cement, quartz and active chemicals for blocking the passage of water and ensure water tightness of structure through forming of crystal in water bearing capillaries.

USES

- + On lean concrete before casting
- + Basement (outside and inside)
- + Portable water tank, septic tank
- + Toilet and kitchen
- + Balcony and Terrace
- + Wet areas

ADVANTAGES

- + Simple application: brush, dry-shake, spray
- + Can be applied on surfaces in contact with drinking water
- + Can be used in exposed conditions
- + Can stand movement of hairline cracks <0.4mm
- + Breathable
- + Easy mixing
- + Able to take foot traffic when cured

PACKAGING

Type	One component
Packaging (bags)	25kg
Packaging (pails)	20kg
Shelf life	12 months for bags 18 months for pails

CONSUMPTION

Number of coats	min. 01 for dry-shake min. 02 coats for slurry
Total consumption	min. 1.5kg/m ²

PROPERTIES

PH	11-13
Initial set	>60 mins
Final set	<120 mins
Water penetration (1.5 bar for 72 hours)	<15mm*
Odor	Non
Color	Gray
Toxicity	Non-toxic
Application temperature	Not less than 5°C

* Typical test values may represent average values from samples tested. Test method noted may be modified.

* Typical test values based on slurry application with 2 coats at 2mm thickness

APPLICATION

Preparation

Concrete, mortar and masonry surfaces must be sound, clean, free from grease, oil and loosely adhering particles. Cut back any protrusions. For dry-shake or spraying method before casting: the substrate should be clean and no ponding

Mixing

Depend on purpose, add approximately 20-30% of water by weight of KEIMI K100. Mix until homogeneous slurry, free from all lumps, is formed. Use slow speed electric mixer (400-500 rpm) for 2-3 mins. Do not add cement or any aggregate

Application

Apply with roller, brush or spraying machine. Pre-wet the surface with water (not ponding) Whilst the substrate still damp from saturation, apply the first coat. Leave to cured for approximately 1-2 hours before applying the second coat at right angle. Water ponding test may be conducted after 24 hours from the last coat.

KEIMI K100

One component waterproofing material by crystallization.

CURING

KEIMI K100 must be protected against rapid drying due to high temperature or strong wind. Cure with clean water in 3 days to increase the effectiveness of material.

CLEANING

Clean tools and equipment with water, before the waterproofing coating hardens.

SHELF LIFE

KEIMI K100 can be stored for 12 months (in bags) and 18 months (in plastic pails) from the date of manufacture if stored in tightly sealed original packaging and in a dry area.

HEALTH AND SAFETY

Prevent contact with skin, eyes and wear waterproof gloves when handling. Upon contact with skin, wash with soap and water. In case of eye contact, flush with water and seek medical attention immediately. Do not use solvents.

FLAMMABILITY

KEIMI K100 is non-flammable.

TECHNICAL SERVICES

For assistance with working drawings for projects and additional technical advice, please contact KEIMI Support.

IMPORTANCE NOTES

The strength values mentioned are average values of laboratory test. The results on the site may vary due to different environment curing conditions and testing method. Mock-up-at-site is always recommended before application.

KEIMI PU Primer

Liquid-applied polyurethane primer

DESCRIPTION

KEIMI PU Primer is a polyurethane primer with quick drying solvents, has a high level of adhesion and is used in a wide range of substrates such as concrete, mortar, metal, ...

USES

- + Concrete
- + Mortar
- + Metal

ADVANTAGES

- + Good adhesion to all substrates like: concrete, mortar, metal,...
- + Easy to apply (brush, roller, spray)
- + Quick drying
- + Able to take foot traffic when cured

PACKAGING

Type	One component
Packaging	16kg
Shelf life	12 months

CONSUMPTION

Number of coats	min. 01 coat
Consumption	min. 0.1 to 0.2kg/ coat (depend on substrate)

PROPERTIES

Bonding strength	>1.0 N/mm ²
Flash point (closed cup)	>25°C
Hardness Shore A	95
Drying time @ 30°C	
Touch dry	15 mins.
Dry-hard	90 mins.
Color	Transparent
Solid content	92%
Application temperature	Not less than 5°C

APPLICATION

Preparation

Concrete, mortar and masonry surfaces must be sound, clean, free from grease, oil and loosely adhering particles. Cut back any protrusions.

Mixing

Since KEIMI PU Primer is one component polyurethane primer, shake the liquid well or mix with a paddle until a homogeneous slurry is formed.

Application

Apply with roller, brush or spraying machine. The substrate must be dry.

Apply one coat. Leave to cured for approximately 1 hour before applying the polyurethane material.

KEIMI PU Primer

Liquid-applied polyurethane waterproofing membrane

CURING

KEIMI PU Primer must be protected against rapid drying due to high temperature.

TECHNICAL SERVICES

For assistance with working drawings for projects and additional technical advice, please contact KEIMI Support.

CLEANING

Clean tools and equipment with solvent, before the waterproofing coating hardens

IMPORTANCE NOTES

The strength values mentioned are average values of laboratory test.
The results on the site may vary due to different environment curing conditions and testing method. Mock-up-at-site be always recommended before application.

SHELF LIFE

KEIMI PU Primer can be stored for 12 months from the date of manufacture if store in tightly sealed original packaging and in dry area.

HEALTH AND SAFETY

Prevent contact with skin, eyes and wear waterproof gloves, mask when handling. KEIMI PU Primer contains solvent and is harmful to skin and eyes. In case of eyes contact, seek medical attention immediately.

FLAMMABILITY

KEIMI PU Primer is flammable, do not use near open flame or smoke during use

KEIMI P301

Liquid-applied polyurethane waterproofing membrane

DESCRIPTION

KEIMI P301 is a high elasticity, one components, polyurethane based liquid waterproofing membrane. It is applied to concrete, mortar and metal to prevent water penetration.

USES

- + Outdoor and indoor
- + Swimming pool, tanks, planter box
- + Basement
- + Toilet and kitchen
- + Balcony and roof, terrace

ADVANTAGES

- + Good adhesion to all substrates like: concrete, mortar, metal,...
- + Can be used in exposed conditions with top coat.
- + Can stand movement of hairline cracks
- + Chemical resistance, anti-root penetration
- + Can be spray application
- + Seamless membrane without joints
- + Able to take foot traffic when cured

PACKAGING

Type	One component
Packaging	25kg
Shelf life	12 months

CONSUMPTION

Number of coats	min. 02 coats
Consumption	min. 1.3kg/ 2 coats

PROPERTIES

Bonding strength	>1.0 N/mm ²
Tensile strength	>1.0 N/mm ²
Elongation @ break	>500%
Water penetration (1.5 bar for 7 days)	NO penetration
Touch dry	3 hours
Color	Black
Solid content	92%
Application temperature	Not less than 5°C

APPLICATION

Preparation

Concrete, mortar and masonry surfaces must be sound, clean, free from grease, oil and loosely adhering particles. Cut back any protrusions.

Mixing

Since KEIMI P301 is one component polyurethane, shake the liquid well or mix with a paddle until a homogeneous slurry is formed.

Application

KEIMI PU Primer must be used before application. Apply with roller, brush or spraying machine. The substrate must be dry. Apply the first coat. Leave to cured for approximately 3-4 hours before applying the second coat at right angle. Water ponding test may be conducted after 24 hours from the last coat.

KEIMI P301

Liquid-applied polyurethane waterproofing membrane

CURING

KEIMI P301 must be protected against rapid drying due to high temperature.

TECHNICAL SERVICES

For assistance with working drawings for projects and additional technical advice, please contact KEIMI Support.

CLEANING

Clean tools and equipment with solvent, before the waterproofing coating hardens

IMPORTANCE NOTES

The strength values mentioned are average values of laboratory test.
The results on the site may vary due to different environment curing conditions and testing method. Mock-up-at-site be always recommended before application.

SHELF LIFE

KEIMI P301 can be stored for 12 months from the date of manufacture if store in tightly sealed original packaging and in dry area.

HEALTH AND SAFETY

Prevent contact with skin, eyes and wear waterproof gloves, mask when handling. KEIMI P301 contains solvent and is harmful to skin and eyes. In case of eyes contact, seek medical attention immediately.

FLAMMABILITY

KEIMI P301 is flammable, do not use near open flame or smoke during use

KEIMI C201

Flexible, polymer cement waterproofing slurry

DESCRIPTION

KEIMI C201 is a flexible, two components, cementitious waterproofing slurry coating. It is applied to concrete and mortar to prevent water penetration.

USES

- + Portable water tank, septic tank
- + Swimming pool, planter box
- + Basement
- + Toilet and kitchen
- + Balcony and terrace
- + Wet areas

ADVANTAGES

- + Can be applied on surfaces in contact with drinking water
- + Flexible
- + Can be used in exposed conditions
- + Can stand movement of hairline cracks
- + Breathable
- + Can be spray applied
- + Easy mixing and application
- + Able to take foot traffic when cured

PACKAGING

Pack size	30kg/ set (A+B)
Powder (B)	20kg
Liquid (A)	10kg
Shelf life	12 months

CONSUMPTION

Number of coats	min. 02 coats
Consumption	min. 1.5kg/ 2 coats

PROPERTIES

Bonding strength	>0.5 N/mm ²
Tensile strength	>0.5 N/mm ²
Elongation @ break	>100%
Water penetration (1.5 bar for 7 days)	NO penetration
Set-to-touch time	60 mins
Color	Gray and white
Toxicity	Non-toxic
Application temperature	Not less than 5°C

APPLICATION

Preparation

Concrete, mortar and masonry surfaces must be sound, clean, free from grease, oil and loosely adhering particles. Cut back any protrusions.

Mixing

Shake the liquid well and pour around 75% into a clean mixing container.

Slowly add the powder while mixing

Mix until homogeneous slurry, free from all lumps, is formed.

Add the remaining liquid to achieve the required consistency for application

Use slow speed electric mixer (400-500 rpm) for 2-3 mins.

Do not add water, cement or any aggregate

Application

Apply with roller, brush or spraying machine.

Pre-wet the surface with water (not ponding)

Whilst the substrate still damp from saturation,

apply the first coat. Leave to cured for

approximately 4-6 hours before applying the second coat at right angle.

Water ponding test may be conducted after 24 hours from the last coat.

KEIMI C201

Flexible, polymer cement waterproofing slurry

CURING

KEIMI C201 must be protected against rapid drying due to high temperature or strong wind.

TECHNICAL SERVICES

For assistance with working drawings for projects and additional technical advice, please contact KEIMI Support.

CLEANING

Clean tools and equipment with water, before the waterproofing coating hardens

IMPORTANCE NOTES

The strength values mentioned are average values of laboratory test.
The results on the site may vary due to different environment curing conditions and testing method. Mock-up-at-site be always recommended before application.

SHELF LIFE

KEIMI C201 can be stored for 12 months from the date of manufacture if store in tightly sealed original packaging and in dry area.

HEALTH AND SAFETY

Prevent contact with skin, eyes and wear waterproof gloves when handling. Upon contact with skin, wash with soap and water. In case of eyes contact, flush with water and seek medical attention immediately.
Do not use solvents.

FLAMMABILITY

KEIMI C201 is non flammable

KEIMI C202

Semi-Flexible, polymer cement waterproofing slurry

DESCRIPTION

KEIMI C202 is a semi-flexible, two components, cementitious waterproofing slurry coating. It is applied to concrete and mortar to prevent water penetration.

USES

- + Portable water tank, septic tank
- + Swimming pool, planter box
- + Basement, diaphragm wall
- + Toilet and kitchen
- + Balcony and Terrace
- + Wet areas

ADVANTAGES

- + Can be applied on surfaces in contact with drinking water
- + Semi-flexible
- + Can be used in exposed conditions
- + Can stand movement of hairline cracks
- + Breathable
- + Can be spray applied
- + Easy mixing and application
- + Able to take foot traffic when cured

PACKAGING

Pack size	35kg/ set (A+B)
Powder (B)	25kg
Liquid (A)	10kg
Shelf life	12 months

CONSUMPTION

Number of coats	min. 02 coats
Consumption	min. 2.0kg/ 2 coats

PROPERTIES

Bonding strength	>0.5 N/mm ²
Tensile strength	>0.5 N/mm ²
Shore A hardness	>50
Water penetration (1.5 bar for 7 days)	NO penetration
Set-to-touch time	60 mins
Color	Gray and white
Toxicity	Non-toxic
Application temperature	Not less than 5°C

APPLICATION

Preparation

Concrete, mortar and masonry surfaces must be sound, clean, free from grease, oil and loosely adhering particles. Cut back any protrusions.

Mixing

Shake the liquid well and pour around 75% into a clean mixing container.

Slowly add the powder while mixing

Mix until homogeneous slurry, free from all lumps, is formed.

Add the remaining liquid to achieve the required consistency for application

Use slow speed electric mixer (400-500 rpm) for 2-3 mins.

Do not add water, cement or any aggregate

Application

Apply with roller, brush.

Pre-wet the surface with water (not ponding)

Whilst the substrate still damp from saturation,

apply the first coat. Leave to cured for approximately 4-6 hours before applying the second coat at right angle.

Water ponding test may be conducted after 24 hours from the last coat.

KEIMI C202

Semi-Flexible, polymer cement waterproofing slurry

CURING

KEIMI C202 must be protected against rapid drying due to high temperature or strong wind.

TECHNICAL SERVICES

For assistance with working drawings for projects and additional technical advice, please contact KEIMI Support.

CLEANING

Clean tools and equipment with water, before the waterproofing coating hardens

IMPORTANCE NOTES

The strength values mentioned are average values of laboratory test.
The results on the site may vary due to different environment curing conditions and testing method. Mock-up-at-site be always recommended before application.

SHELF LIFE

KEIMI C202 can be stored for 12 months from the date of manufacture if store in tightly sealed original packaging and in dry area.

HEALTH AND SAFETY

Prevent contact with skin, eyes and wear waterproof gloves when handling. Upon contact with skin, wash with soap and water. In case of eyes contact, flush with water and seek medical attention immediately.
Do not use solvents.

FLAMMABILITY

KEIMI C202 is non flammable