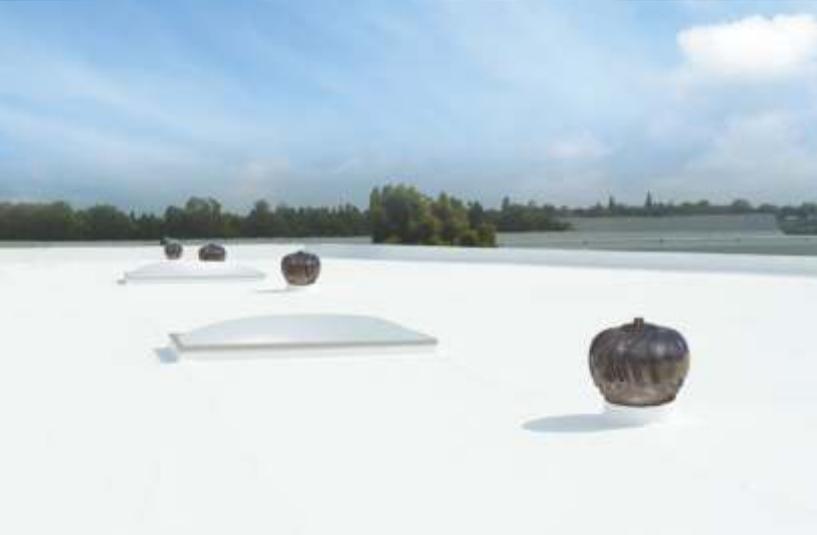




ISOMAT PU-SYSTEMS

High-quality polyurethane products
for construction





Contents

Introduction	3	VARNISH-PU 2KW	
ISOFLEX-PU 600		Transparent, two-component,	
One-component, fast-curing,		water-based, PU varnish	9
PU waterproofing liquid membrane	4	PRIMER-PU 100	
ISOFLEX-PU 550		One-component, PU primer	10
Two-component, solvent-free,		EPOXYPRIMER 500	
PU waterproofing liquid membrane	5	Two-component, water-based	
ISOFLEX-PU 500		epoxy primer	10
One-component PU waterproofing		EPOXYPRIMER-W	
liquid membrane	6	Two-component, water-based	
TOPCOAT-PU 720		epoxy primer	10
One-component, fast-curing,		FLEX PU-20	
PU protective coating	7	PU joint sealant	11
DUROFLOOR-PU		FLEX PU-40	
Two-component, PU floor coating	8	PU adhesive & joint sealant	11
ISOMAT BI-120 PU			
Transparent, one-component,			
PU impregnation	8		
VARNISH-PU 2K			
Transparent, two-component,			
PU varnish	9		



Introduction

Nowadays, the construction industry requires high-performance materials that should feature high resistance to weather and aging, but should also be easy to apply.

Polyurethane products meet these requirements completely.

ISOMAT, always trying to meet the needs of modern construction, has developed a wide-range of PU-based products, such as cold-applied liquid waterproofing membranes, floor coatings, joint sealants, impregnations and primers.

ISOMAT's PU systems are the perfect solution for special applications with high requirements in UV resistance, weather protection and aging resistance. These include waterproofing and protection of flat roofs, terraces and balconies, coating of parking decks as well as waterproofing of commercial kitchens and public showers.



safe waterproofing



weather and
UV resistant



quickly rainproof



ideal for
waterproofing details

ISOFLEX-PU 600

One-component, fast-curing,
PU liquid waterproofing membrane

Features & Benefits

ISOFLEX-PU 600 is a ready-to-use, one-component, polyurethane-based liquid waterproofing membrane, that is:

- waterproof and vapor permeable
- elastic, tear-resistant and crack-bridging
- weather and UV resistant
- cold-applied
- quickly rainproof
- jointless and seamless
- compatible with almost every substrate
- walkable for maintenance
- permanently elastic and flexible at temperatures between -40°C and $+90^{\circ}\text{C}$
- available in white, for higher reflectance of solar radiation

ISOFLEX-PU 600 is certified as a product for the protection and repair of concrete, according to EN 1504-2.

Fields of application

ISOFLEX-PU 600 is used for waterproofing surfaces of flat roofs, balconies, patios, walkways and green roofs. It can be combined with a fleece reinforcement or not, depending on the substrate condition. It also provides a simple and secure solution for the sealing of details, such as intersections and connections. Suitable for both new constructions and renovation works.





safe waterproofing



weather and UV resistant



optimal for interior applications



ideal for waterproofing details

ISOFLEX-PU 550

Two-component, solvent-free, PU liquid waterproofing membrane

Features & Benefits

ISOFLEX-PU 550 is a two-component, solvent-free, polyurethane-based liquid waterproofing membrane, that is:

- waterproof and vapor permeable
- elastic, tear-resistant and crack-bridging
- weather and UV resistant
- odorless, ideal for indoor applications
- cold-applied
- jointless and seamless
- compatible with almost every substrate
- walkable for maintenance
- permanently elastic and flexible at temperatures between -40°C and $+90^{\circ}\text{C}$
- mechanically resistant through an additional top layer of TOPCOAT-PU 720

ISOFLEX-PU 550 is certified as a product for the protection and repair of concrete, according to EN 1504-2. Moreover, it is certified as a sealant for use beneath ceramic tiles bonded with adhesives, in accordance with EN 14891.

Fields of application

ISOFLEX-PU 550 is used for waterproofing under tiles in bathrooms, kitchens, commercial kitchens, balconies and terraces. Furthermore, it can be used as a waterproofing membrane for flat roofs, green roofs, balconies and terraces, as well as for sealing of details, such as intersections and connections. Suitable for both new constructions and renovation works, indoors and outdoors.





safe waterproofing



weather and
UV resistant



ideal for
waterproofing details

ISOFLEX-PU 500

One-component PU liquid waterproofing membrane

Features & Benefits

ISOFLEX-PU 500 is a ready-to-use, one-component, polyurethane-based, liquid waterproofing membrane, that is:

- waterproof and vapor permeable
- elastic, tear-resistant and crack-bridging
- weather and UV resistant
- cold-applied
- jointless and seamless
- compatible with almost every substrate
- walkable for maintenance
- permanently elastic and flexible at temperatures between -40°C and $+90^{\circ}\text{C}$
- available in white, for higher reflectance of solar radiation
- mechanically resistant, through an additional top layer of TOPCOAT-PU 720

ISOFLEX-PU 500 is certified as a product for the protection and repair of concrete, according to EN 1504-2. Furthermore, it fulfills the requirements of ETAG-005 for classification as W3, S, TL4-TH-4 and P4.

Fields of application

ISOFLEX-PU 500 is used as a waterproofing membrane for flat roofs, balconies, patios, walkways and green roofs. It also provides a simple and secure solution for the sealing of details, such as intersections and connections. Furthermore, it can be used as a waterproofing membrane under street asphalt paving, on bridge decks and in tunnels. Suitable for new constructions and renovation works.





safe waterproofing



weather and UV resistant



mechanically resistant

TOPCOAT-PU 720

One-component, fast-curing, PU protective coating

Features & Benefits

TOPCOAT-PU 720 is a ready-to-use, one-component, polyurethane-based protective coating, that is:

- weather and UV resistant
- good mechanical resistance and abrasion resistance
- tear resistant and flexible
- waterproof and vapor permeable
- cold-applied
- quickly rainproof
- jointless and seamless
- compatible with almost every substrate
- easy to clean – provides a smooth surface
- resistant at temperatures between -40°C and +90°C
- available in white, for higher reflectance of solar radiation or colored for creating a decorative surface.

TOPCOAT-PU 720 is certified as a product for the protection and repair of concrete, according to EN 1504-2.

Fields of application

TOPCOAT-PU 720 is used as a top layer on exposed PU waterproofing layers for flat roofs, balconies, patios, walkways and parking decks. Furthermore, it can be applied as a thin coating on concrete and screed surfaces, as well as a protective coating on metal surfaces.



DUROFLOOR-PU

Two-component PU floor coating

Features & Benefits

DUROFLOOR-PU is a two-component, polyurethane coating, that is:

- tear and abrasion resistant against moderate or high mechanical stress
- resistant in chemicals
- weather and UV resistant
- resistant at temperatures between -30°C and +100°C

DUROFLOOR-PU is classified as SR-B2,0-AR2 IR8, according to EN 13813.

Fields of application

DUROFLOOR-PU is used as a floor coating on concrete and cement screed surfaces, in production and storage areas, in industrial and commercial areas subject to medium or high mechanical stress and medium chemical stress. Furthermore, it can be used as a non-slip layer, suitable for vehicle traffic in multi-storey and underground garages, as well as a coating in refrigerated and freezer rooms. Suitable for indoor and outdoor applications.



ISOMAT BI-120 PU

Transparent, one-component PU impregnation

Features & Benefits

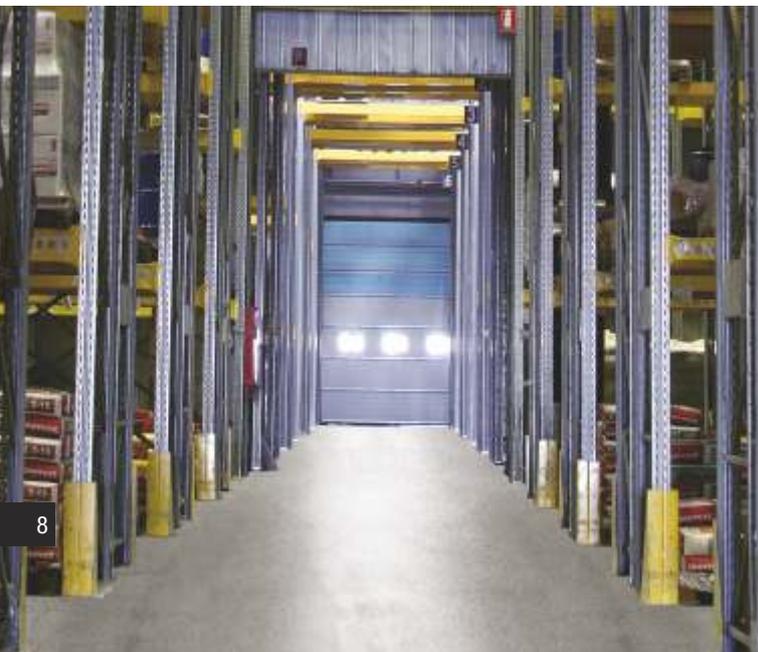
ISOMAT BI-120 PU is a ready-to-use, one-component, transparent impregnation, that features:

- low viscosity
- good pore and capillary sealing
- good mechanical and chemical resistance
- simple application

ISOMAT BI-120 PU is certified as a product for the protection and repair of concrete, according to EN 1504-2.

Fields of application

ISOMAT BI-120 PU is used for surface hardening and sealing of concrete surfaces in basements, warehouses, light/medium traffic parking lots etc.



VARNISH-PU 2K

Transparent, two-component
PU varnish

Features & Benefits

VARNISH-PU 2K is a transparent, two-component PU varnish, that is:

- weather and UV resistant
- abrasion resistant and walkable
- chemically resistant to alkalis, oils etc.
- easy to clean (provides a smooth surface)
- available in mat and glossy texture
- It brightens up the appearance of surfaces

VARNISH-PU 2K is certified as a product for the protection and repair of concrete, according to EN 1504-2.

Fields of application

VARNISH-PU 2K is used for waterproofing and protection of cementitious surfaces, such as concrete, cement screeds and decorative mortars (DUROCRET-DECO, DUROCRET-DECO FLEX and DUROCRET-DECO FINISH). Furthermore, it can be used as a protective coating for natural stones, wood, metal surfaces and as a UV protection coating above epoxy coatings inside swimming pools.



VARNISH-PU 2KW

Transparent, two-component,
water-based PU varnish

Features & Benefits

VARNISH-PU 2KW is a transparent, two-component, water-based PU varnish, that is:

- weather and UV resistant
- abrasion resistant and walkable
- chemically resistant to alkalis, oils etc.
- odorless, ideal for indoor applications
- easy to clean (provides a smooth surface)
- available in satin finish
- It brightens up the appearance of surfaces

VARNISH-PU 2KW is certified as a product for the protection and repair of concrete, according to EN 1504-2.

Fields of application

VARNISH-PU 2KW is used for waterproofing and protection of cementitious surfaces, such as concrete, cement screeds and decorative mortars (DUROCRET-DECO, DUROCRET-DECO FLEX and DUROCRET-DECO FINISH). Furthermore, it can be used as a protective coating for natural stones, wood and metal surfaces.



PRIMER-PU 100

One-component PU primer

PRIMER-PU 100 is a ready-to-use, one-component, low-viscosity, solvent-based PU primer. It is used as a primer for subsequent liquid PU layers on absorbent, mineral substrates, such as concrete or cement screeds.



EPOXYPRIMER 500

Two-component, water-based epoxy primer

EPOXYPRIMER 500 is a water-based, two-component epoxy primer. It is used as a primer of ISOFLEX-PU 500 and other polyurethane systems, when applied on non-absorptive substrates or old waterproofing layers. It is environmentally friendly, odorless and can therefore be used in indoor applications. EPOXYPRIMER 500 is classified as SR-B2,0, according to EN 13813.



EPOXYPRIMER-W

Two-component, water-based epoxy primer

EPOXYPRIMER-W is a two-component, water-based epoxy primer. It shows high adhesion to various substrates (concrete, cement screed etc.), and offers short waiting time between the application and the subsequent sealing. It can be used as a primer on slightly damp surfaces. It can also be used as a primer for PU coatings on non-absorbent substrates or old waterproofing layers. Furthermore, it can be used in indoor applications, as it is odorless. EPOXYPRIMER-W is classified as SR-B2,0 according to EN 13813.



FLEX PU-20

PU joint sealant

Features & Benefits

FLEX PU-20 is a one-component, solvent-free, polyurethane-based joint sealant, that features:

- resistance at temperatures between -40°C and +80°C
- optimal adhesion to all substrates
- high and permanent elasticity
- resistance to weather conditions and aging
- It is paintable, after hardening

Fields of application

FLEX PU-20 is suitable for permanently elastic filling and sealing of vertical and horizontal perimeter and movement joints, on all construction materials, such as concrete, aluminium, steel, wood, glass, natural and decorative stones. Suitable for both indoor and outdoor applications.



FLEX PU-40

PU adhesive & joint sealant

Features & Benefits

FLEX PU-40 is a one-component, solvent-free, polyurethane-based adhesive & joint sealant, that features:

- resistance at temperatures between -40°C and +80°C
- optimal adhesion to all substrates
- high and permanent elasticity
- resistance to weather conditions and aging
- It is paintable, after hardening

Fields of application

FLEX PU-40 is suitable for permanently elastic filling, laying and bonding of vertical and horizontal perimeter and movement joints, on all construction materials, such as concrete, aluminium, steel, wood, glass, natural and decorative stones. Suitable for both indoor and outdoor applications.





Visit our website.



THESSALONIKI, GREECE

17th km Thessaloniki - Ag. Athanasios Road
P.O. BOX 1043, 570 03 Ag. Athanasios
T +30 2310 576 000, F +30 2310 722 475



ISOMAT S.A.

BUILDING CHEMICALS & MORTARS
www.isomat.eu
export@isomat.eu