

# purtext®

FLEECE REINFORCED COLD APPLIED  
LIQUID POLYMER WATERPROOFING



**GEOMAS GEOCOMPOSITE**

Cumhuriyet Mah. Fatih Cad. No:4 İstanbul  
T: +90 216 451 48 48 F: (0216) 309 74 57  
email: [info@geomas.com.tr](mailto:info@geomas.com.tr)  
[www.geomas.com.tr](http://www.geomas.com.tr)

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LIQUID POLYMER WATERPROOFING

WATERPROOFING

FLOORING

COATING

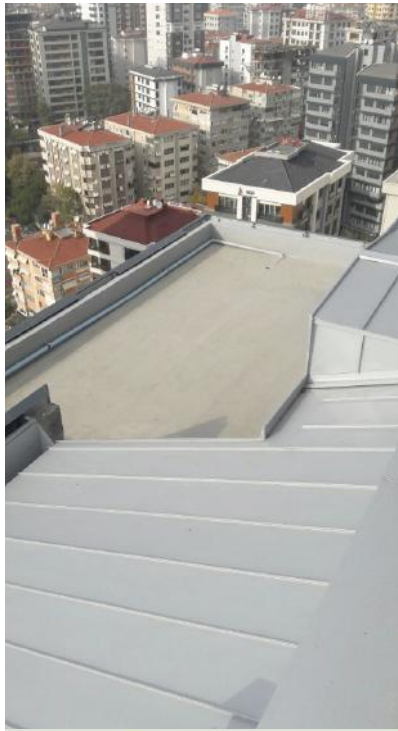
## Purtex® waterproofing solutions for diversified roofing applications

PURTEX® is polyurethane based solvent free 2-component waterproofing system specially designed for roofing applications.

- Flat roof and terraces
- Wet rooms
- Balconies
- Plaza decks



- Pools and plant holders
- On top of old waterproofing
- Terminating the complex details
- Gutter, roof parapet ve penetrations



## Fast and reliable solutions for complex details

PURTEX® efficiently overcomes the problems confronted at the conventional sheet applied waterproofing products and maintains longlasting advantages as below:

### ■ Uniquely fleece reinforced

Tailor cut and 100% secured solution even for hardest details such double T sections by shaping the fleece easily before and after pouring the resin.

### ■ Dynamic crack bridging capacity

Thanks to the full-surface reinforced system, PURTEX® has permanently elastic life cycle even at temperatures between  $-30^{\circ}\text{C}$   $+90^{\circ}\text{C}$ . even up to 2mm movements of substrate.

### ■ Seamless and fully bonded

Adhesion to almost any surfaces in some cases without need of primer. Vapour permeable structure maintains the full bonding during service life.

### ■ Risk free workmanship

Fleece ensures the homogeneous consumption and distribution of resin.

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CRACK BRIDGING	2mm
TENSILE STRENGTH (-25°C, +23°C, 65°C)	32 - 7,0 - 3,0 N/mm <sup>2</sup>
ADHESION (Concrete – Steel – PVC)	2,8 - 3,5 – 4,9 N/mm <sup>2</sup>
VAPOUR PERMEABILITY	~2000
THICKNESS	2mm
RESISTANT TO RAIN	4 hours
FOOT TRAFFIC	24 hours
CURE TIME	2-3 days
RESISTANCE TO SHORT-TERM TEMP.	250°C
PERMANENTLY ELASTIC TEMPERATURE	-30°C to +90°C
SLOPE	°5 - 45°
FIRE CHARACTERISTICS	B roof
CHEMICAL RESISTANCE	Asids, Alkali, Oil.
<b><u>PACK SIZE</u></b>	
A COMPONENT	10 KG – 20 KG
B COMPONENT	2,5 KG – 5 KG

## SUBSTRATE PREPARATION

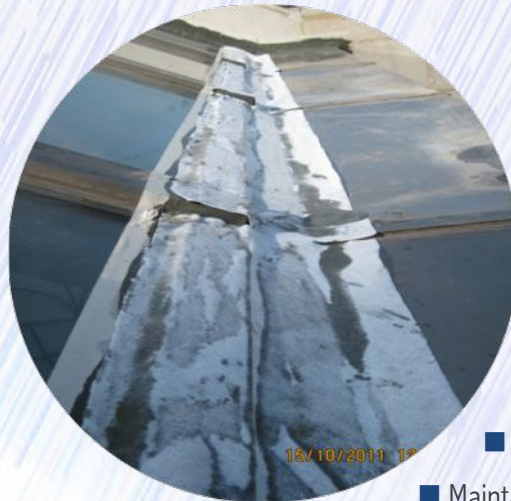
Strong bond to the substrate is the initial stage of successful waterproofing system. The substrate must be dry, sound and free from sharp edges, dust, oil, grease or any type of separating substances that would hinder adhesion. In addition to simple grinding and vacuum tools, mechanical equipments such as waterjet or soundblasting can be an efficient alternative for challenging substrates.

The substrate should be checked for the adequate compressive strength. Additionally, continuous shrinkage or settlement cracks should be repaired with Izomet® Epoxy Mortar before waterproofing.

## PRIMER

Some substrates such as aluminum or old PVC waterproofing do not require priming. If necessary, prime the substrate either with a PURTEX® epoxy or polyurethane primer before applying PURTEX to the surface. Depending on type of primer and environmental conditions, 6 to 24 hours should be completed before starting up the Purtex application.

When applying the primer or waterproofing, the substrate moisture must not exceed 5% by weight. During application, the surface temperature must be at least +3°C above the dew point. Below that, a moisture film can form on the surface and cause separation immediately.



## Why “PURTEX FLEECE” is used for?

- Increases crack bridging capacity.
- Increases the tear and tensile strength
- Maintains the same thickness, no weak spot.
- Maintains the homogeneous distribution of resin.

### APPLICATION

PURTEX is applied at 2 coats by roll for large scale and brush for detail areas. PURTEX FLEECE is used between the layers in order to maintain the homogeneous distribution of resin. There is no waiting period between the layers, as soon as polyester fleece is saturated with first coat, second can be applied as equal to half volume of the first coat.

Average consumption rate: 2.50 kg/m<sup>2</sup>

## Why “Wet on Wet” PURTEX<sup>®</sup> is superior?



At wet on dry waterproofing systems, it is only possible to apply the top coat after the base coat is cured. The waiting time period between the coats causes poor adhesion between each other regardless of the final thickness and number of coats. Each thin coat will act independently and this risky phenomenon for the entire performance of the system, may lead to delamination between the coats.

### *Monolithic seamless layer*

PURTEX<sup>®</sup> is a wet on wet cold liquid applied waterproofing system. It means base and top coats are integrated to each other by maximizing both the physical and chemical bonding between the coats and forms up a single monolithic layer with no delamination risk. Saturation of fleece also ensures the homogeneous consumption.

	Wet&Dry Systems	PURTEX
Thickness	1.5 mm	2 mm
Expected working life	min. 10 years	min. 25 years
Load bearing capacity		
soft substrate	P1 / lowest	P4 / highest
hard substrate	P2	P4