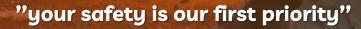
BALLISTIC POLYMER MATERIAL

BPM



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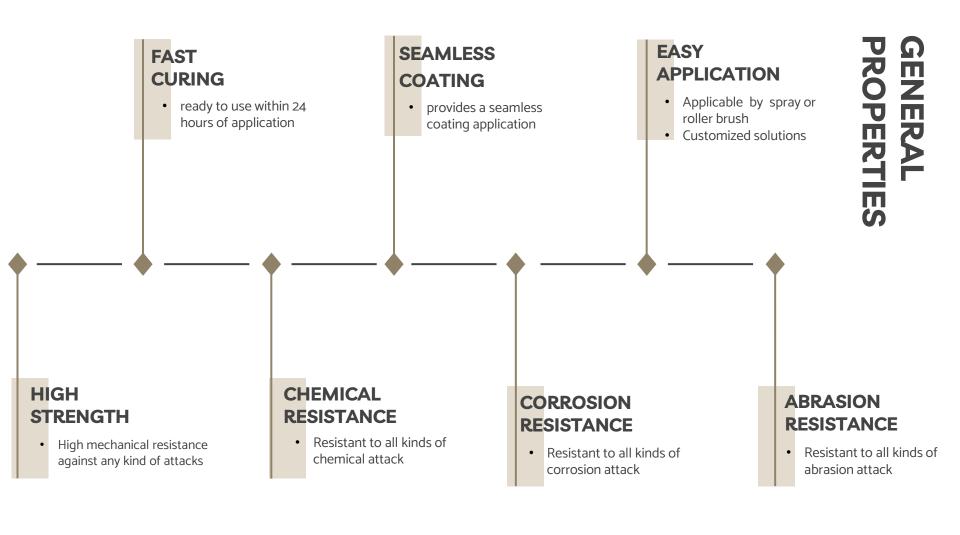
GENERAL PROPERTIES Features of the product

USAGE AREAS Surface of application of the product

HOW IT WORKS The miracle of polymeric structure

TECHNICAL PROPERTIES Technical information of the product

TEST RESULTS Test results of the applied areas TABLE OF CONTENTS



BUILDINGS

 Strengthening military posts, watch towers and buildings

CONTAINERS

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Strengthening housing containers,

MILITARY EQUIPMENT

- Armour vehicles
- Armored panels
- Bulletproof vestHelmets

TANKS

Liner for fuel tanks

PIPELINES

Liner for oil pipelines

STORAGES

Strengthening ammunition magazine

storage

BPM is a two-component, highly reactive flexible pure polyuria spray coating material formed by the reaction of the isocyanate based prepolymer and amine based resin mixture.

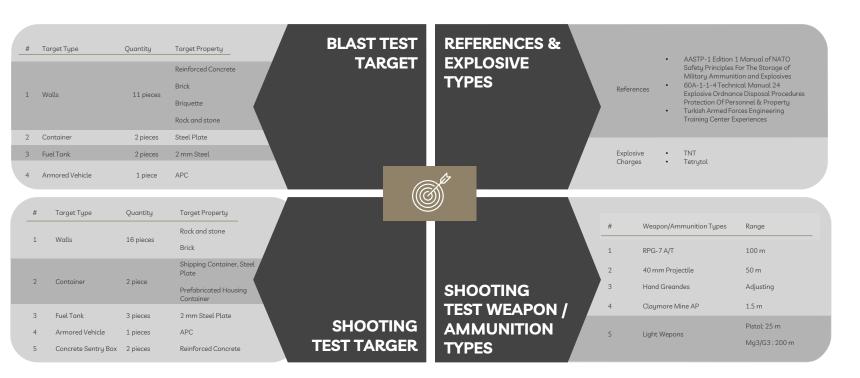
Specially designed ballistic polymer

with its unique combination of hard and soft segments in its polymeric structure, distributes and absorbs the kinetic energy in its own structure and protects the coated area from blast effect and small arms fire.



PROPERTY	RESULTS	METHOD	UNIT
APPLICATION	BALLISTIC PROTECTION	N/A	N/A
APPLICATION METHOD	SPRAYING/ROLLER BRUSH	N/A	N/A
100 % MODULUS	5-6 M/mm²	ASTM D 412	N/mm2 (Mpa)
TEAR STRENGHT	30-55 N/mm	ASTM D 624	N/mm
TENSILE STRENGHT	15-20 N/mm²	ASTM D 412	N/mm2 (Mpa)
ELONGATION	500-600 %	ASTM D 412	%
HARDNESS	90-100 Shore A	DIN53505	SHOREA
GEL TIME	3-5 sec	IN HOUSE	SECOND
TACK-FREE	13-15 sec	IN HOUSE	SECOND

TECHNICAL PROPERTIES



TEST RESULTS



Wall Type:Dimensions:Exp Type:Exp Quantity:Distance:

Reinforced concrete, brick, briquette, rock andstone 300x200x30 TNT ve Tetrytol 0,450-6,450 kg 0-90 cm



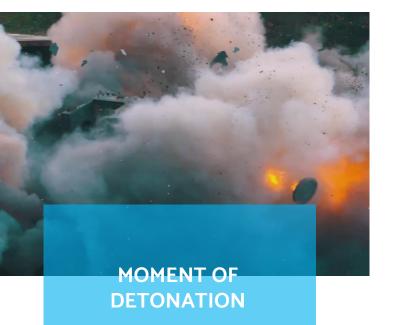
RESULT CONTANIER

Container Type:ISO 20 ftExp Type:TNTExp Quantity:1,8 kgDistance:50 cm





Vehicle Type	:	APC
Exp Type	:	TNT
Exp Quantity	:	9,9 kg
Distance	:	40 cm



RESULT VEHICLE ARMOURED



Tank Type	:	Steel, 2 mm
Capacity	:	2,5 tons
Ехр Туре	:	TNT
Exp Quantity	:	0,450 kg
Distance	:	20 cm





Tank Type	:	Steel, 2 mm
Capacity	:	2 tons
Weapon/Ammo Type	:	MG-3
Range	:	200 m





Container Type : Weapon/Ammo Type: Range : Housing, made of prefabric material 40 mm Projectile 50 m





RPG-7

100 m

:

RESULT RPG-07





BLAST TEST

Blast tests have found that it provides **100% protection** against walls, containers, fuel tanks and armored vehicles.



SHOOTING TEST

Against hand grenades, claymore A/P mine, 40 mm projectile **provides 100% protection** against all targets,

Maintains building integrity on the walls against RPG shots and provides great protection by preventing fragmentation effect.

Against RPGs , it has been found to provide protection by interfering with the fragmentation of the armored vehicle.

BALLISTIC POLYMER MATERIAL



"your safety is our first priority"