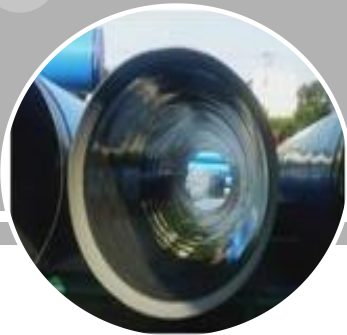




Insulation and waterproof material



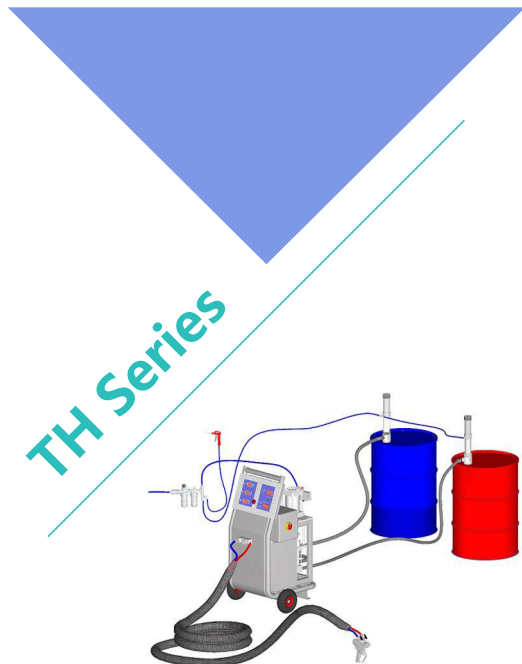
GIANCO



Polyurea /PU Materials

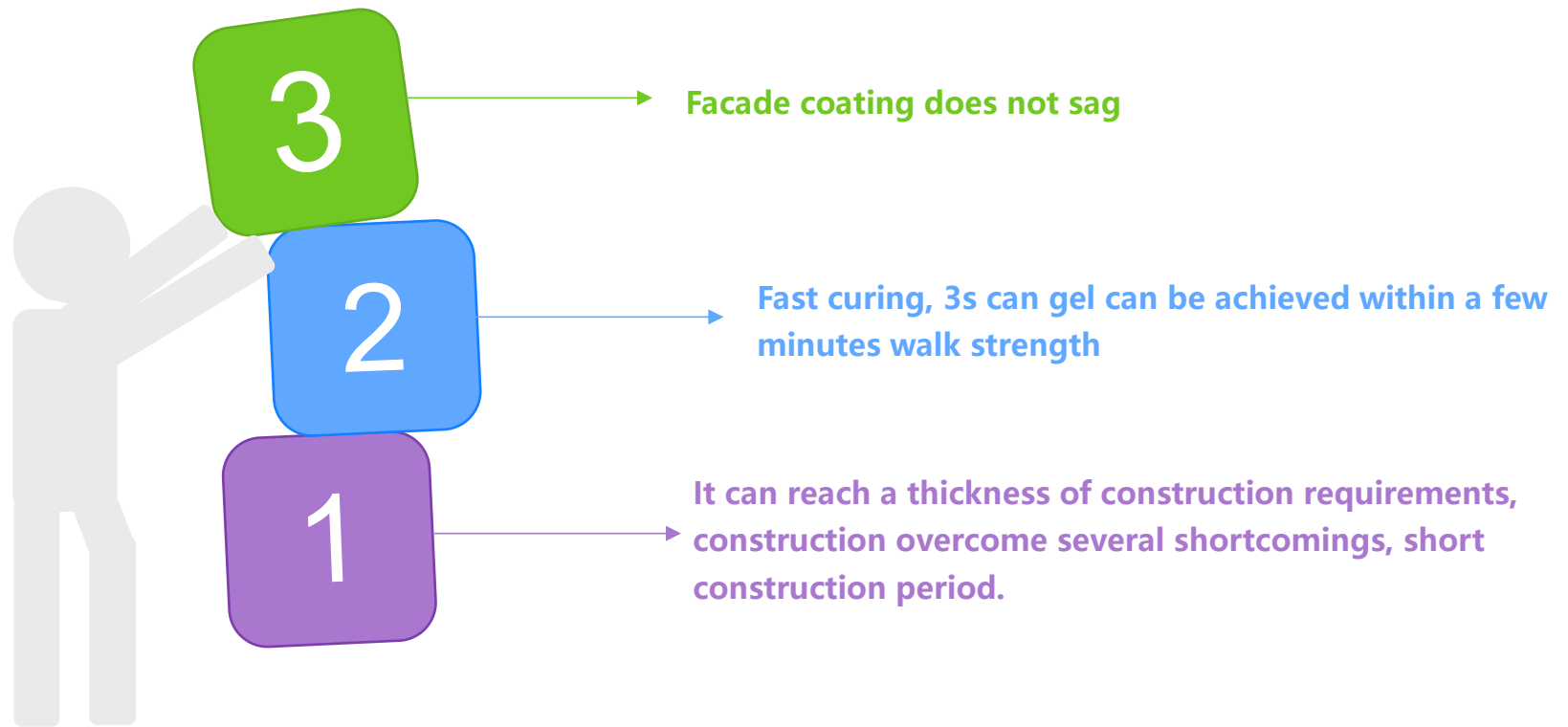


Polyurea elastomer HT series



The new polyurea elastomer is to meet the environmental needs and developed a new solvent-free, pollution-free, high-performance poly-aspartic acid ester preparation obtained, high solids coatings. The product can be formed highly crosslinked durable coatings, having physical properties of high gloss and fixing ability, tensile strength, hardness and elongation at break perfect balance. High hardness coating formation, but also has excellent hydrolytic stability and outdoor durability, chemical resistance, abrasion resistance, impact resistance. In the field of anti-corrosion, waterproof, wearable processing pipelines, buildings, ships, high-speed rail, storage tanks have an unparalleled advantage.

Rapid construction



Polyurea Performance

01

excellent physical properties such as strength, toughness ,Good thermal stability, long-term use at 120 °C

02

compact seamless continuous coating, corrosion resistance, waterproof, wear performance, aesthetics and practical

03

weathering strong, long-term outdoor use without cracking, not powder, not falling;

04

excellent adhesion on steel, aluminum, concrete, wood, plastic and other substrates,not sensitive to temperature and humidity

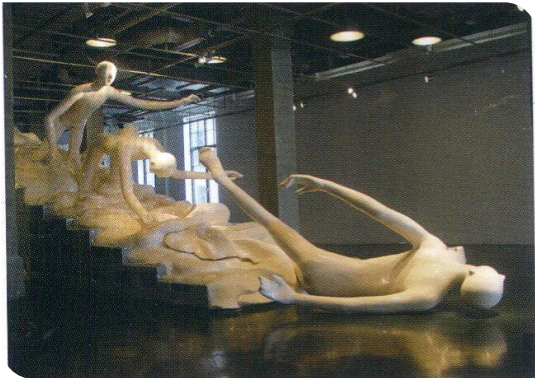


Item	HT-701
Solid content	99%
Gel time	8s~10s
Tensile Strength	20±2MPa
Elongation at break	450±30%
Tear strength	70±5KN/m
Hardness	Shore A90~95
Impermeability 0.4MPa/2h)	Impermeable
Tightness (0.3MPa, 30min)	Airtight
Adhesion	2.6MPa
Impact resistance	1.5kg.m
Artificial weathering (2000h)	Well
Resistance to liquids	No rust ,no blistering, no loss
Color	Adjustable

Application:Antiseptic power industry, oil pipelines, storage tanks and ancillary facilities, underground tunnels, etc.

Polyurea elastomer HT-701

For Coating



Item	HT-702
Solid content	99%
Gel time	3s~5s
Tensile Strength	26±2MPa
Elongation at break	100±20%
Tear strength	65±5KN/m
Hardness	Shore D60~70
Impermeability 0.4MPa/2h)	Impermeable
Tightness (0.3MPa, 30min)	Airtight
Adhesion	2.6MPa
Impact resistance	1.5kg.m
Artificial weathering (2000h)	Well
Resistance to liquids	No rust ,no blistering, no loss
Color	Adjustable

Application:Stage, film, advertising props used in the production;
artificial landscape protection

Polyurea elastomer HT-702

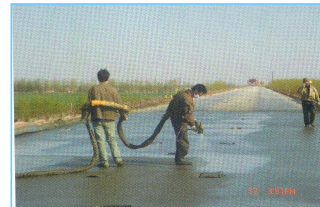
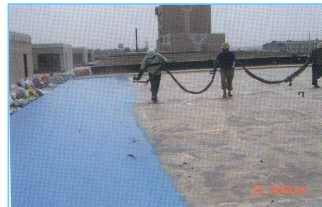
For Coating

Polyurea elastomer HT-703/704

Item	HT-703	HT-704
Solid content	99%	99%
Gel time	10s~15s	9s
Tensile Strength	12±2MPa	14±2MPa
Elongation at break	400±20%	380±20%
Tear strength	70±5KN/m	50±10KN/m
Hardness	Shore A80~90	Shore D60±5
Impermeability 0.4MPa/2h)	Impermeable	Impermeable
Tightness (0.3MPa, 30min)	Airtight	Airtight
Adhesion	2.6MPa	2.6MPa
Impact resistance	1.5kg.m	1.5kg.m
Artificial weathering (2000h)	Well	Well
Resistance to liquids	No rust ,no blistering, no loss	No rust ,no blistering, no loss
Color	Adjustable	Adjustable

ApplicationHT-703 :Roofing, industrial plants, cold vapor barrier, reservoirs, bridges, tunnels waterproof.

ApplicationHT-704:Suitable for industrial floor corrosion.

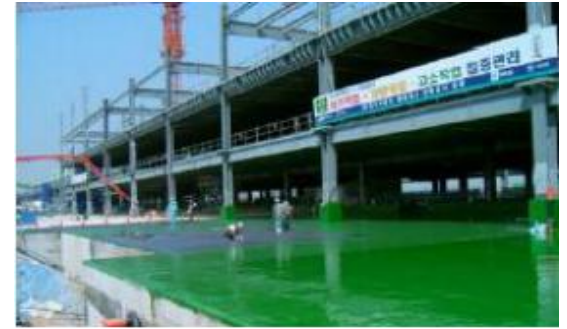




Track



Parking lot



Chemical factory



High Speed Rail

Polyurea Material Application



Swimming pool



Roof



Wall



Aircraft

Polyurea Sample



On steel



on wooden

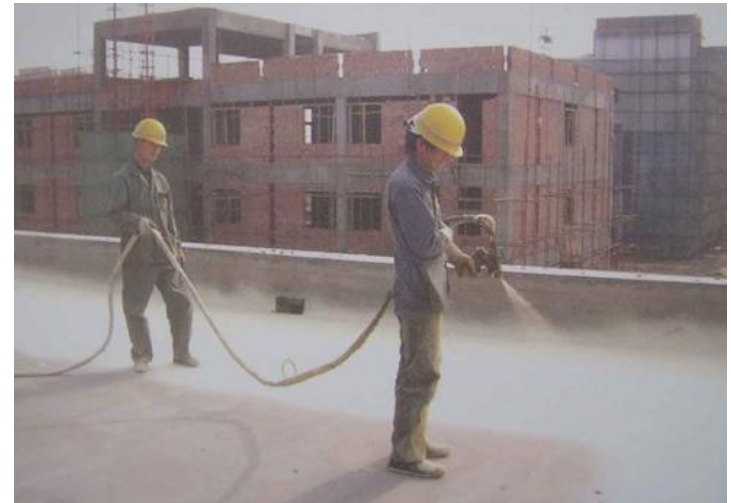


Polyurethane Material

Appearance	Transparent pale yellow	1kg PU with 5cm thickness can spray 0.5sqmt . 1 sqmt with 5cm thickness need 2.1kg PU	A material(250KG) B material(220KG)
Odor	Odor		
Specific Gravity @ 25°C,g/cm ³	1.20±0.10		
Viscosity: (mPa.s/25°C)	300±100		
Cream Time, sec	2~3		
Gel Time, sec	9~10		
Mixing Ratio, Iso/Polyol By volume	1:1		



Polyurethane Project



Appearance & Foggy Effect



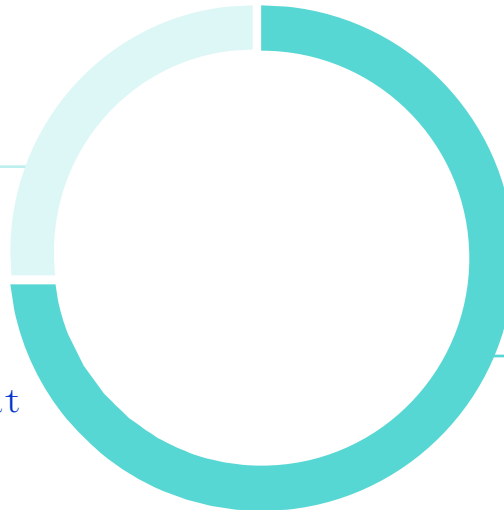
Polyurea & Polyurethane video

Polyurea

<https://www.youtube.com/watch?v=-zJTPUfFeuQ>

Polyurethane

<https://www.youtube.com/watch?v=XZVwBAfKBtE>



Material Key Equipment



Convenient material
cleaning system

Smooth material
handling systems

Accurate material
measurement system

Polyurea spray elastomer /PU technology required specialized equipment

The materials were
mixed uniformly system

Good material
materialized system

SOLUTION-X

THANKS