



H-T5

Thermal insulation

About Product

H-T5 is a thermal insulation mortar. It is applied in 1mm thickness on **H-T3** surfaces.

- 1 - reduce operating costs of central heating and is central to reducing heat loss through external or internal insulation for all types of buildings and structures.
- 2 - reduces the costs of the use of all types of conventional insulation materials.
- 3 - reduces the cost of labor and employment in construction using modern insulation material.
- 4 - Reduce the cost of repair materials because traditional barrier to repair or restore the material.
- 5 - the possibility of developing Hyper material on the surface of the heat of up to 60 - 80 degrees Celsius.



- 1 - تخفيض من تكاليف تشغيل التدفئة المركزية وغير المركزية بالحد من فقدان الحرارة عن طريق العزل الخارجي أو الداخلي لكافة أنواع الصواني والهيكل.
- 2 - انخفاض من تكاليف استخدام لجميع أنواع المواد العزل التقليدية.
- 3 - يقلل من تكاليف العمل و العمالة في البناء باستخدام مادة العزل الحديثة.
- 4 - الحد من تكلفة اصلاح مواد التقليدية بسبب عدم الحاجة إلى اصلاح أو ترميم مادة.
- 5 - إمكانية وضع مادة هايبر على سطح حراري يصل لغاية 60 - 80 درجة مئوية.



LACK OF COST RECOVERY ISOLATION DUE TO LACK OF OPPORTUNITIES

Material	Conv. Heat	Conv. Heat	Thickness layer
Plates Mineral Sewed	0,046	8	4 cm
Styrofoam Polyurethane elastic	0,04	11	3.6 cm
Thermal insulation type "URSA"	0,042	8	3.7 cm
HYBER HT5	0,025	5	1 mm



H **HYPER**
Insulation Adhesive

Help You when you need

تحليل مقارنة استخدام المواد العازلة إضافية للعزل الحراري

Name	Eg.rev	"URSA"	"S TEINOPHON"	HYBER HT3 + HT5
Thermal Conducitivity	W / m° C	0.042	0.038	0.025
Warranty Period	Years	5	5	7
Overhaul	UAH/year	required	required	not required
Additional Construction Events	eliminating the effect of dew point			not required
Hygiene	Hazardous to health is not toxie			not toxie
Criminality	Prone to looting			No interest for reuse
Physical Properties	Material loses its properties under the influence of rainfall and time	Do not lose the properties		Do not lose the properties
Technical Solutions	Necessary to check the bearing expacity of foundation			Extra weight on the foundation is not
Architecture	Requires additional architectural design on the facade			retains all the architectural forms
Methods of Use	Outside only and only for the walls			Both Outside and Inside the building,the walls floor roof

PHYSICAL - TECHNICAL SPECIFICATIONS

Thermal Conductivity (W / m° C), more	0.025
coefficient heat from Outdoor surface insulation (W / m² ° C)	1.5
Time Drying at 20 ° C per hour.	24
Region Workers Tempersture ° C	-50 to 220
Strength at rupture, kg / cm²	8.7
Relative elongation at break% not less	1.2
Denisity, g/ cm³	0.7 - 1.5
Mass share nonvolatile substances,%	40-70
Water absoption cover on for 24 hours, % of mass, not more	15.0
Water vapor permeability cover,(m *year*Pa) without more	0.02
Adhesion coating, MPa, no less:	
- K steel	0.6
- K Concrete	1.0
Frost -resistance coating cycles, less	25

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