

DESCRIPTION	water based acrylic copolymer adhesive and bonding medium to be mix with OPC (Ordinary Portland Cement) designed for use with EPS (Expanded Polystyrene Sheet) thermal insulation and other ICF type systems
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> - for exterior use - unsaponifiable - for new work and maintenance - good filling and leveling properties - very good adhesive properties - very good cohesive strength
COLOUR AND GLOSS	off-white, (finish colour dependant upon OPC colour) Flat
BASIC DATA AT 20 °C	
Mass density	approx. 1.77 Kg/l without cement
Solids content	approx. 78 % by weight, without cement
Theoretical spreading rate	approx. 1.7 kg/m ² per mm thickness depending on the nature and condition of the substrate and the application method adopted
Pot life after mixing	approx. 2 to 3 hours depending on temperature and ratio of OPC
Induction Time	5 minutes
Over-coating interval	min. 24 hours (48 hours following fixing of EPS) max. no limitation
Shelf life (cool, dry place)	12 months
Flashpoint	above 30 °C
Available pack size	25 Kg
RECOMMENDED SUBSTRATE CONDITIONS	<p>new substrates</p> <ul style="list-style-type: none"> - concrete, block, brick and cement render - dry, neutral and free from efflorescence and surface contamination - no surface deviation greater than 10 mm over a 2 m stretch - minimum adhesive strength of applied 1 mm thick test patch 0.3 Mpa

Please turn

MIXING & PREPARATION

- mixing ratio 5 – 7 kg OPC to 25 kg of Sigma Insotherm Mortar Binder
- mixing ratio is dependant upon ambient temperature:
> 30°C ratio = 0.28 – 1 kg. < 30°C ratio = 0.2 – 1 kg
- mixing by a mechanical mixer
- each individual batch mixed in clean drums

TOOLS

- Steel Trowel, Grooved Trowel, Tamping Board

SYSTEM SPECIFICATION INSTRUCTIONS FOR USE

- EPS adhesive coat by isolated plots or full grooved trowel coat
- 3 kg per m², method dependant upon substrate condition
- open EPS joints over 1 mm must be filled using EPS
- isolated glass fiber reinforcement applied to critical areas
- galvanized mesh reinforcement to external angles
- EPS joint leveling coat by steel trowel (1 mm max)
- first full skim coat by steel trowel (6 kg per m²)
- glass fiber mesh imbedded fully into applied Sigma Insotherm Mortar Binder 5 mm minimum overlap of glass fiber mesh
- second full skim coat applied by steel trowel (6 kg per m²)
- application of 0852 Sigma Acrylic Primer Sealer after 48 hours minimum
- selected Sigma texture coating and finishing coats

Thinner
Volume of thinner

sweet water
none recommended

CLEANING SOLVENT

sweet water immediately after use

SAFETY PRECAUTIONS



see safety sheet 1570 for information on
LEL and TLV values

REFERENCES

explanation to product data sheets on information sheet 1551