



**Insulation Filler
(Acrylic emulsion type)**

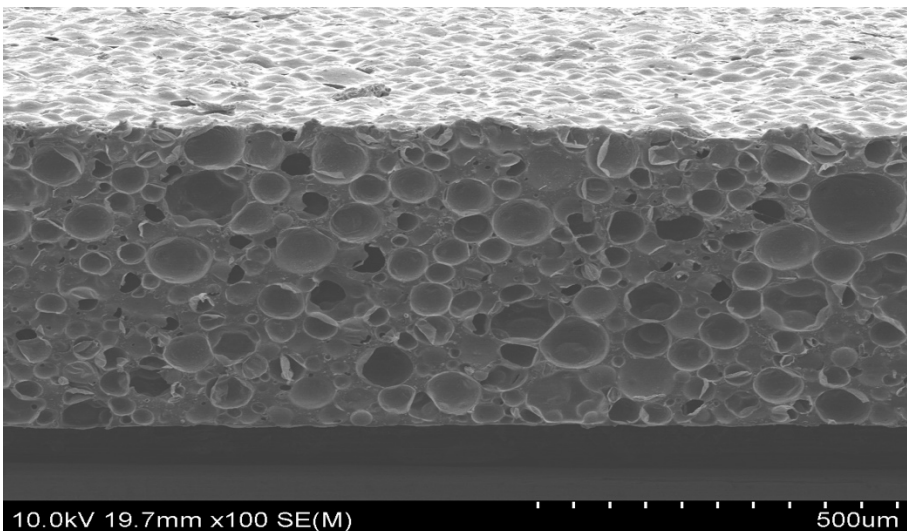
Insulation filler is an environmentally friendly one-component water-based base conditioner. Compared to conventional slightly elastic fillers, it has a lower density and can be thickened at once. The followability to the base is also superior to that of general slightly elastic fillers, and it has about 3 times the elongation.

Also, the best feature is that it has excellent heat insulation compared to other paints. In the heat insulation test of the heat-shielding paint + slightly elastic filler and the in-house heat-shielding paint + heat-insulating filler, the back surface temperature was lowered by about 14 ° C, and it became possible to reduce the heat to the skeleton. As it is a water-based type, it has little odor and is excellent in workability.

Use	<ul style="list-style-type: none"> • Base adjustment material for exterior wall repair sites • Thermal barrier paint undercoat material
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Features	<ol style="list-style-type: none"> 1. It has heat insulation compared to other companies' slightly elastic fillers. The back surface temperature is about 14°C lower than that of other companies' slightly elastic fillers. 2. Since it is water-based, it has excellent safety. 3. The density is low and you can add thickness at once. The density is as low as 0.43, and when the standard usage amount of 0.6 kg / m² is applied, a film thickness of about 840 μ m can be secured. 4. Compared to other companies' slightly elastic fillers, it has the ability to follow the substrate.
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The sectional view of Insulation Filler



○ Paint properties

Item	Insulation filler
Material	Acrylic Emulsion
Appearance	White paste
Viscosity (H 6 10rpm)	$2.2 \pm 0.4 \text{ Pa} \cdot \text{S}$
Specific gravity	0.43 ± 0.03
Solid content	$60 \pm 3 \%$
Touch drying (20°C)	30 mins

○ Coating film performance

Test items	Insulation filler (Slightly elastic type)	Insulation filler (Other company's slightly elastic type)
Tensile strength	1.0N/mm	4.3N/mm
Extension rate	42%	8.9%
Thermal conductivity	$0.07 \text{ W/m} \cdot \text{k}$	$0.40 \text{ W/m} \cdot \text{k}$