

Solvent-free, high durability, room temperature curable

Polyurea for hand-painting

Hand-paintable polyurea with long pot life, high strength, high durability, and easy handling.

Polyurea is also known as “stainless-steel like resin” or “100-year coating”. As Polyurea is known to have short pot life after mixing its monomer components due to quite rapid reaction. Thus its applications have been conventionally limited to a spray coating system. This new Polyurea has longer pot life than conventional polyurea to remain unhardened for hand-painting applications while retaining the advantages of common polyurea (high strength, high durability, and solvent-free).

- ▶ **No special equipment for painting, no anti-scattering equipment, and no operator training is required.**
- ▶ **It is applicable to complex shapes with thinner coating which has not been accomplished by spray coating system.**
- ▶ **You can get both all good characteristics such as higher strength, longer durability with easier handling.**

Product form: 2-component type, room temperature curable, Solvent-free

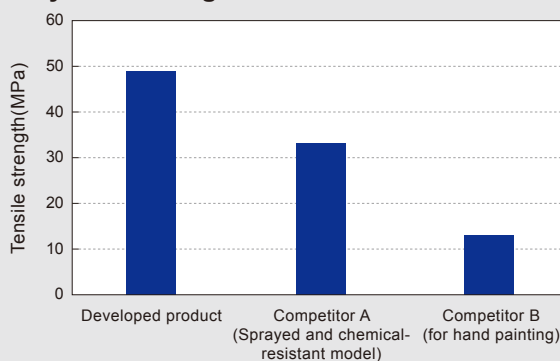
Viscosity: 12,000 mPa·s (Representative value)

Pot life: 30 min. (Representative value)



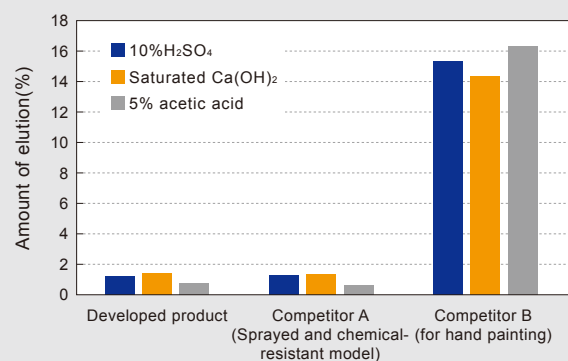
Technical data

Physical strength



<Test conditions>
Specimen shape: Dumbbell-shaped
Curing period 25°C 24h, Test speed 5mm/min *Measured by our original method

Chemical resistance



<Test conditions>
Specimens were immersed at 60°C for 6 days and evaluated by weight change. *Measured by our original method

Application examples



Closed spaces and articles that are difficult for spray application



Protection and reinforcement of metals



Protection and reinforcement of structures



Waterproofing and anticorrosion paints

(Notice) This product is under development. The information in this document is presented without guarantee and warranty.