

# HQS-108 huaqiansu

——Admixture for lean production of water-resistant putty, construction glue, etc.

## Uses

HQS-108 huaqiansu is mainly used to produce water-resistant putty for interior and exterior walls, construction glue, interface agent, etc.

## Advantages

HQS-108 huaqiansu can catalyze the activation of cement bonding activity, increase the workability and water retention of cement, and improve the viscosity and adhesion of cement.

## Typical application formula technology

### ■Water-resistant putty formula (kg/t)

According to the current industrial standards JG/T157-2004<Putty for Building Exterior Walls>and JG/T3049-1998<Putty for Building Interior>, the formula for producing water-resistant putty powder is:

42.5Mpa Portland white cement/kg	Heavy calcium powder( $\geq 400$ mesh)/kg	HQS-108 huaqiansu/kg
300	700	8~10

### ■Construction glue formula (kg/t)

According to the current industry standards JC/T907-2018<Concrete Interface Treatment Agent>and JC/T547-2017<Ceramic Tile Adhesive>,the formula for producing construction glue is:

HQS-108 huaqiansu/kg	water/kg
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0.25	50
5	1000

**Mixing instructions:**Add 50kg clean tap water into the bucket.Start the high-speed electric stirrer, slowly add HQS-108 huaqiansu while stirring, until all 0.25kg powder is added and continue stirring for 4~5min.Dependent on the ambient temperature, stand for 30-60min or longer, and then stir again after the viscosity of the glue increases.

**Storage instructions:**The construction glue produced by dissolving HQS-108 huaqiansu in water is easy to mildew during long-term storage in summer or high temperature environment, so it is best to use it while producing.If long-term storage is required, appropriate amount of fungicide or mildew inhibitor can be added to the glue.

## Construction technology of batch puttying

### ■Operation selection

According to different wall base, the process of puttying is also different:

(1) Batch puttying procedure for concrete wall:base treatment→base course repair→brushing caustic soda aqueous solution→apply interface agent→puttying→repair and grinding→survive.

(2) Batch puttying process for concrete floor and floor joints:base treatment→base course repair→brushing caustic soda aqueous solution→apply interface agent→puttying→repair and grinding→survive.

(3) Process of plastering cement mortar, paper bar and mortar surface layer and puttying:base treatment → apply interface agent → puttying → repair and

grinding→survive.

### ■ Base treatment

(1) Cast-in-situ concrete wall: If there are air holes, honeycomb, pockmarked surface, bulge, internal and external corners are not smooth, the convex parts shall be polished and the concave parts shall be filled and leveled.

(2) Precast concrete floor slab and slab joint base: Remove sand, dust and other sundries on the surface with a wire brush.

(3) Cement mortar, paper reinforcement and mortar surface course: The surface base is required to be dry, firm and clean.

### ■ Mixing

(1) Weigh the putty powder and mix it with a small electric mixer or a high-speed mixer.

(2) Weigh the water and add it into the bucket, start the agitator, add the putty powder slowly while stirring until it is all added, and continue stirring for 4~5min. After standing for about 1 min, stir it again until the uniform and dough free putty paste is ready for use.

(3) Construction in winter or at low temperature and negative temperature, warm water  $\leq 65\text{ }^{\circ}\text{C}$  shall be used.

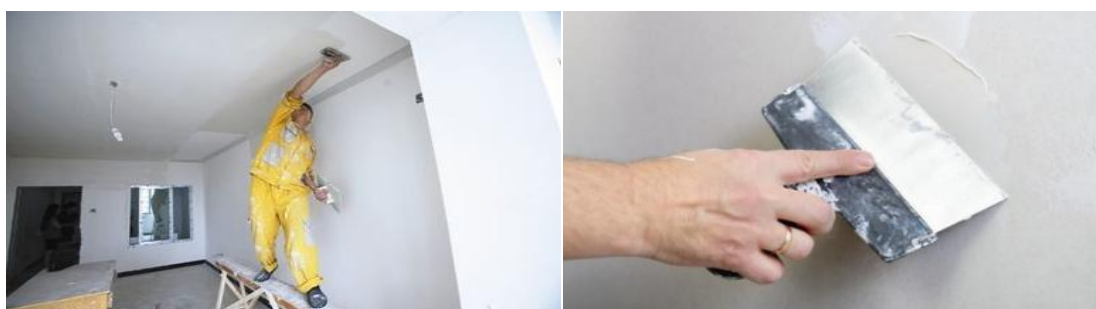


## ■ Batch scraping

(1) First batch scraping: When applying putty in batches, it is necessary to prevent contamination or mixing with sand, floating and other sundries. The upper, lower, left and right joints and the two scrapers shall be clean without floating putty.

(2) Repair and grinding: After the first layer of putty is dry, polish, smooth and clean it with sandpaper.

(3) Survive: Generally, at least two passes of puttying are required to survive. After the first pass of puttying is dried and polished, the second pass is required. The surface shall be flat and the texture shall be uniform.



## Packaging, storage and transportation

The packaging specification of this product is 20kg/bag, or 2.0kg/bag.

This product should be stored in a dry and ventilated environment to avoid rain, water, moisture, and sun exposure. The unopened shelf life is 12 months.

This product is nonflammable, non-explosive, non-toxic and tasteless, and does not contain heavy metals, halogenated hydrocarbons, benzene series, formaldehyde, VOC and other harmful substances. It can be stored and transported as general goods.

## Statement on data and other recorded contents

- The data recorded in this document are based on typical experimental values, so there is no guarantee for the recorded content.
- Before use, please confirm the detailed use method and precautions according to this information and product safety data.
- When using, your company must carry out a prior test to confirm whether it meets the use purpose and safety.
- The contents of this document are subject to change without notice.



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