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BestSeal PS410

Elastic Sealant, polysulphide base, two components

Description: BestSeal PS410 is an elastic sealant, chemical based on polysulphide with two components. After curing, BestSeal PS410 performs as a membrane which are high elasticity, and excellent adhesion to all material surfaces such as concrete, cement brick, clay brick, natural stone, artificial stone, wood, glass, metal, plastic, acrylic, PVC,... BestSeal PS410 meets the standard ASTM C920 Type M Grade NS Class 25 (Gun Grade).

Recommended for: BestSeal PS410 is applied for items such as:

- Expansion joints, offset shrinkage joints of a basement, subway, pipeline, concrete canals, water supply, an irrigation system of canals, dams, reservoirs, concrete slab bridges, parking, retaining walls, ground floors, wall covering, ceiling, terrace buildings,... Especially the expansion joints through the ceiling.
- Cracks, holes through the floor, through a wall, ...
- The glass paste slot of vacuum insulated box for windows, doors.

Advantages:

- Well adhesion on different surface materials if using the appropriate primer.
- High toughness, high anti-tear properties.
- High elongation, high elasticity, meet the requirements eliminate vibration, eliminate stress, higher marginal displacement (to 25% width of joint), recovered its original size without reducing adhesion strength of the surface.
- Can be applied both indoors and outdoors.
- Water resistance (including salt water), and chemical resistance as vegetable oils, lubricants, and liquid fuels.
- Large working range (-20°C ÷ +80°C).
- Non-saggy down, non-saggy when the application for vertical plane or ceiling.
- Easy to repair, allowing to coat directly other waterproof materials on the surface.
- Non-toxic, non-polluting sources of water (including drinking water) when contacting directly with the material.

SPECIFICATION

Appearance:	A: White liquid paste, B: Black liquid paste. A+B compound: flexible solid, elastic, gray color after curing.	
Specific weight:	1.75 ± 0.05 kg/liter (25°C).	
Packaging:	10; 30kg/ set.	
Mixing ratio:	Part A: Part B = 9:1 (by weight)	
Application temperature:	Minimum temperature: + 10°C	Maximum temperature: + 40°C

Consumption: 1.75 kg/liter.

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Pot life: ≥ 120 minutes @ 25°C. **Time of dry surface:** ≥ 240 minutes @ 25°C

Bonding strength: ≥ 0.5 N/mm² . **Tensile strength:** ≥ 0.5 N/mm²

Elongation at break: $\geq 100\%$

Osmosis water speed: $\leq 2.25 \times 10^{-13}$ m/s (pressure condition 0.03 N/mm²)

INSTALLATION

The surface material should be compact, dry, and impurities, debris, grease, and dirt must be completely removed by the appropriate method.
 To surfaces with high water absorption such as concrete, cement brick, or clay brick... should apply at least 01 layer of BestPrimer AC409 and wait at least 120 minutes before applying BestSeal PS410 to intensity surface adhesion.

Substrate preparation: If the surface has water leaks into the line should chisel the large hole leak with a minimum depth of 1.5 times the diameter hole and seal to block the leak water line by BestSeal CE201 before applying BestSeal PS410.
 To control the depth of the BestSeal PS410 layer, should use an appropriate type of porous polyethylene bar to insert the bottom.

Mixing: Before application, two components A and B must be mixed thoroughly at the right ratio and slow speed rate in the electric mixer (300 ÷ 400 r/ min). Mixing time at least 5 minutes or longer until achieving homogeneity requirements (no color stripes).

Application: Apply one or two layers BestPrimer AC409 on two edges of the joint and maintenance approximately 180 minutes (for materials with high water absorption as concrete, mortar cement - sand, cement brick, clay brick ...).
 Pour the mixed mixture thoroughly into the cylinder of the gun to fill the joints. Use a steel or plastic trowel to push excess material and flatten the surface. To avoid sticky material inside the surface of the joint before application use a self-adhesive tape to stick along both two sides of the joint and remove it immediately after application.

Note:

- Application time of the mixture is approximately 120 minutes. The applicable surface should be dry and not wet.
- Do not use the mixture which is working time out.
- Do not add any other materials to BestSeal PS410.

Cleaning: Use BestThiner SC01 to clean tools immediately after use and before the curing mixture. In case the mixture has been cured, use the appropriate mechanical methods to clean tools.

Safety: Both two components are non-toxic. However, allergies can cause skin sensitization for long exposure. Should wear gloves, masks, and glasses while handling the product. In case of accidental eye contact, wash with fresh water and seek medical advice immediately. Discard the product prescribed place of management agencies, and local environmental protection.

Disclaimer: *The technical information and application instructions in documents of BESTMIX are based on BESTMIX's current knowledge and practical experience. The information here only describes the general nature of the product, so users should test the product for each purpose. BESTMIX has the right to change the features of our product, user must always refer to the latest technology product.*