PRODUCT CODE 5428

SmartCare Hybrid PU Sealant

Asian Paints SmartCare Hybrid PU Sealant is a single component, moisture curing, low modulus silyl terminated polyurethane sealant for sealing of dynamic joints and cracks in interiors as well as exteriors. After curing, it forms a flexible rubber-type seal that is paintable.



PRODUCT BENEFITS

Special Formulation
Low modulus silyl terminated polyurethane sealant

Excellent Adhesion
Excellent adhesion to most building substrates. Bonds to most construction material without Primer

Paintable
Joints that are filled with SmartCare Hybrid PU Sealant can be top coated with the desired shade

Flexibility
Can withstand joint movement up to ± 25%

Durable
Forms a highly durable & flexible rubber seal

Water Resistant
Highly resistant to ageing and weathering

Environmentally Friendly
Free from isocyanates and silicones. With less V.O.C

asianpaints
LEAD FREE*GUARANTEE

* All Asian Paints products contain no added Lead, Mercury, Arsenic or Chromium from April 2008.

PRODUCT FEATURES

AVAILABLE PACKS

Available in 300 ml* cartridge

*Please note: SmartCare Hybrid PU Sealant is also available in a 600 ml sausage on a special order basis

COLOURS AVAILABLE

Available in Grey*

*Please note: SmartCare Hybrid PU Sealant is also available in White, Concrete Grey, Black, Beige, Dark Beige, Brown & Basalt on a special order basis

RECOMMENDED USAGE

Sealing of Dynamic Joints
- Expansion and construction joints in buildings
- Joints in precast elements
- Joints in wall cladding and infill panels
- Joints in internal and external façades as well as natural stones

Sealing of Dynamic Cracks
In roofs, parapet walls, vertical walls, corners of windows and door frames

Filling of Joints and Gaps
In floor slabs and industrial floors

Other Areas of Use
- Water reservoirs, storage tanks, dams and canal lining
- Curtain walling, retaining walls, subways, bridges and balcony
- Parapets
- Gluing of EPDM membranes

DIRECTIONS FOR USE

Clean the surface by removing dust, loose particles, oil & grease. Ensure the surface is clean, dry and sound. Cut open cartridge and cut the nozzle at a 45 degree angle as per joint width and load it into the sealant gun. Fill Sealant in Joint or Cracks. Spread at edges to ensure adhesion of sealant at both edges of joint/ crack and then level the sealant with spatula/ putty knife. Finish by tooling the surface with a concave shape with soap water. The sealant can be covered by a water-based paint if required.

TECHINICAL DETAILS

a. Type: Silane - terminated polyurethane compound
b. Coverage: 45 running ft for a 4 mm by 6 mm joint
c. Consistency: Non-Sag paste
d. Extrusion level: ≈ 150 g/ min at fabrication time (at 21°C/ nozzle Ø 4 mm / pressure 3 bars)
e. Density: ~1.35 g/ml
f. Resistance to verticle flow: <3 mm (ISO 7390)
g. Shrinkage: <10% (ISO 10563)
h. Shore-A hardness: ≈ 25° (ISO 868)
i. E-modulus at 100%: ≈ 0.35 MPa (ISO 8339)
j. Elongation at break: > 350 % (ISO 8339)
k. Skin forming time: ≈ 90 min. (23°C & 50% R.H.)
l. Capacity of joint movement: ≈25%
m. Curing speed: ≈ 2.5 mm/ day (23°C & 50% R.H.)
n. Temperature resistance: -30/ +70°C
o. Application temperature range: +5/ +40°C
p. Shelf life: 12 months

ADDITIONAL INFORMATION

SPECIFICATIONS

- ISO 11600 F25 LM
- SNJFF25E
- DIN 18540 F
- DIN 4102-1 fire resistance
- FDA specification
- UBATC-BUTGB

PRECAUTIONS

- Use masking tape on both sides of joints to ensure uniform application.
- Use bond breaker to ensure depth and non-adhesion at 3rd side.
- In some cases, such as porous substrates priming might be required, if testing indicates a need
- Not recommended for glazing and not for aquaria, PE, PP, Teflon and bituminous surfaces.
- Since sealants are elastomeric in nature and paints do not match their elastomeric properties, when sealants extend and compress, the paint might crack and peel. It is always recommended to make a test of compatibility with the paint before application.
- Avoid contact with alcohol.
- Store in cool & dry place.

SAFETY FEATURES

- Kindly refer to the MSDS of Asian Paints SmartCare Hybrid PU Sealant which gives detailed information on safety measures while handling sealant, which is available on request.
- Keep out of reach of children and away from eatables.
- May be harmful if swallowed. In case of ingestion seek medical attention.
- Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of skin contact, immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
- It is recommended to wear suitable nose pad during surface preparation to avoid dust inhalation.
- In the event of spills, contain spillage using sand or earth.
- No added Lead, Mercury or Chromium compounds.
- Non flammable.

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