

Waterproof and airtight tape

HYPERFLASH NO.6951

Outline

HYPERFLASH NO.6951 is a tape for waterproof and airtight purpose of around opening (pipe, window etc.) and wall corner part.

The tape has EPDM rubber sheet as a flexible carrier for adaptation to the unusual shape and has butyl adhesive that is excellent adhesion, waterproof and durability.

Structure

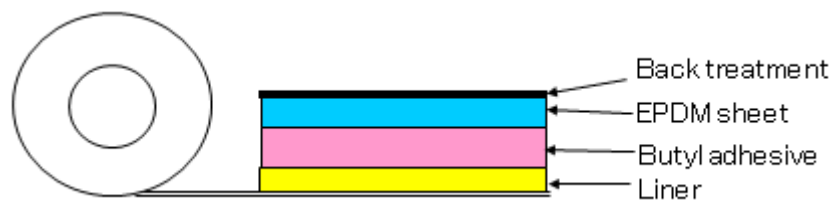


Figure 1 HYPERFLASH NO.6951

Applications

- Waterproofing and airtight applications for around piping and 3-Dcurved shape (window, wall corner etc).
- Waterproofing and airtight applications for joint parts such as panel base.

Features

- Adapt well to unusual shapes, 3-Dcurved surfaces, and other complicated locations.
- Offers excellent waterproofing and airtight abilities due to good adhesion.
- Excellent long-term durability.

Standard size

Table 1 Standard size

| Item | Tape thickness[mm] | Width [mm] | Length [m] | Quantity(rolls/case) |
|-----------------------|--------------------|------------|------------|----------------------|
| HYPERFLASH NO.6951 | 1.3 | 45 | 5 | 12 |
| | | 75 | | 8 |
| | | 200 | | 4 |

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Properties

● General properties

Table 2 General properties

| Item | Unit | Measurement value | Test condition | Test Method | |
|------------------------------|-------------------------------------|-------------------|---|-------------------|----|
| Thickness | mm | 1.3 | Temperature : Standard | JIS Z 0237 : 2000 | |
| Tensile strength (MD) | N/25mm | 8 | Temperature : Standard Peeling speed : 300mm/min | | |
| Elongation (MD) | % | 1100 | | | |
| 100% modulus-initial (MD) | N/25mm | 4 | | | |
| 100% modulus-after 5min (MD) | N/25mm | 1.3 | | | |
| 180 degree peeling adhesion | Stainless steel | N/25mm | | | 9 |
| | Conifer plywood | | | | 13 |
| | Vapar permeability waterproof sheet | | 12 | | |

Standard : 23±2°C、50±5%RH

Vapar permeability waterproof sheet : heat activated type

● Adhesion properties

180 degree peeling adhesion at each temperature with adhesive tape as a state not to elongate.

- Peeling speed : 300mm/min
- Condition : After leaving sample at each temperature for 2hours, applying pressure with 2kg roller 1pass back and forth and dwelling 30minutes, then measure.
- Method : JIS Z 0237 : 2000

Table 3 Peeling adhesion at each temperature

| Adherent | Unit | Temperature | | |
|-------------------------------------|--------|-------------|------|------|
| | | 0°C | 23°C | 40°C |
| Stainless steel | N/25mm | 32 | 9 | 6 |
| Conifer plywood | | 10 | 13 | 6 |
| Vapar permeability waterproof sheet | | 22 | 12 | 6 |

Vapar permeability waterproof sheet : heat activated type

● Durability

The durability is measured by heat accelerating test at 90°C.

- Item : Tensile strength (MD), Elongation (MD)
- Accelerating condition : 90°C x 7weeks (Corresponding to 10years)
90°C x 14weeks (Corresponding to 20years)
90°C x 21weeks (Corresponding to 30years)
- Method : JIS A 6930

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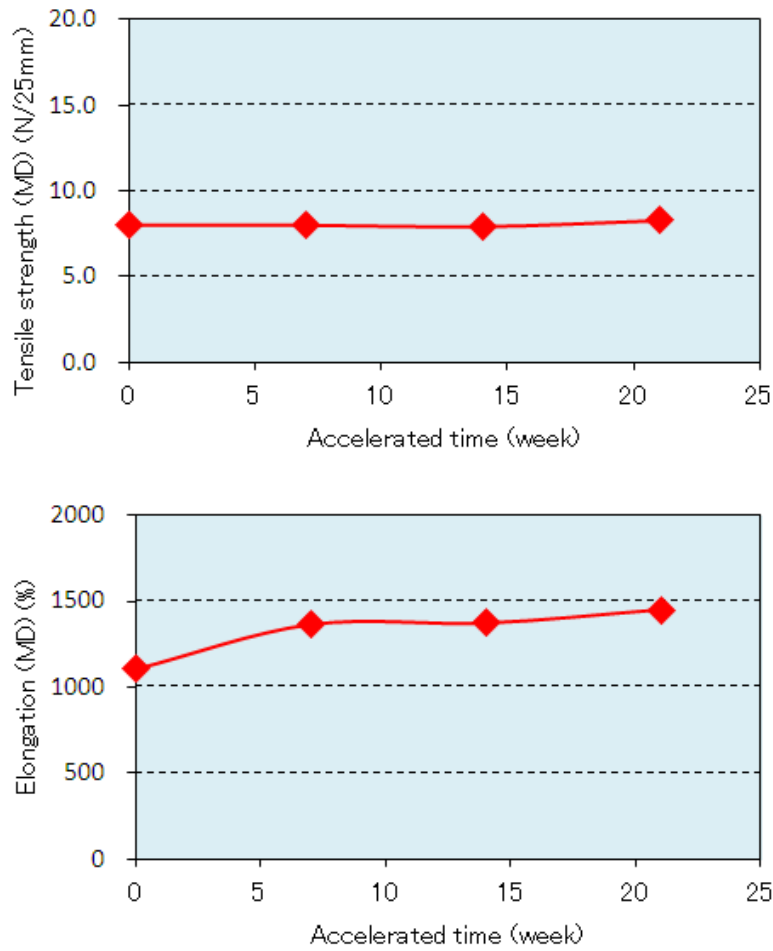


Figure 2 Durability test (Upper : Tensile strength, Lower : elongation)

Precautions

- Please make sure panel base to apply pressure on this tape.
- NO.6951 is designed to easily change shape to ensure easy fit with the foundation.
Do not stretch over twice than the original size.
- Check surface, make unevenness as flat as possible
Remove oil, water and foreign matter from foundation surface.
- Please joint tapes not to make way for water.
- Please fix vapor permeability waterproof sheet on panel base fast.
- Please apply enough pressure overall.
- During low temperatures, adhesion may increase by applying heat.
- Do not stand on the release sheet as doing so may result in slipping and falling.
- Store away from direct exposure to sunlight as core hole is upward.

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