

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

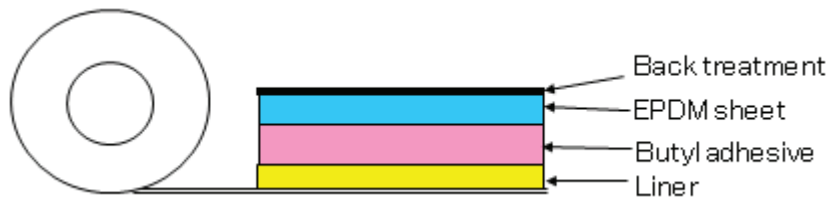


Figure 1 HYPERFLASH NO.6951

## 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<br>NO.6951 | 1.3                | 45         | 5          | 12                   |
|                       |                    | 75         |            | 8                    |
|                       |                    | 200        |            | 4                    |

**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<br>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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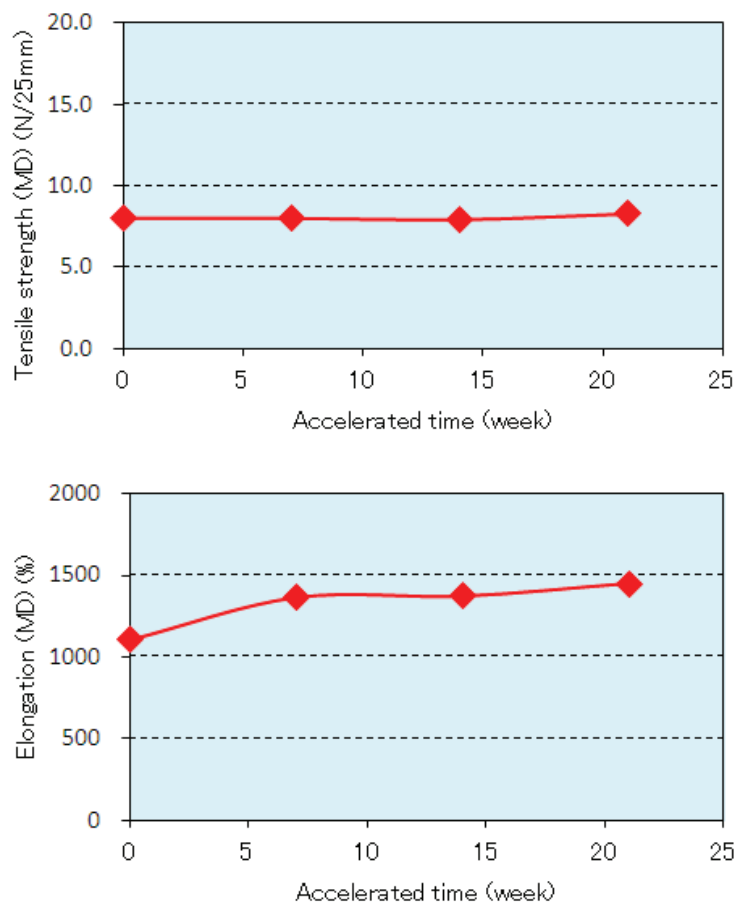


Figure 2 Durability test (Upper : Tensile strength, Lower : elongation)

## 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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