



NITTO PRODUCT INFORMATION

Ref. No. _____

NITTO Double-coated Adhesive Tape No.5017

- Properties When Used for Fixing of Suspension Ceiling -

1) Specimen and Testing Method

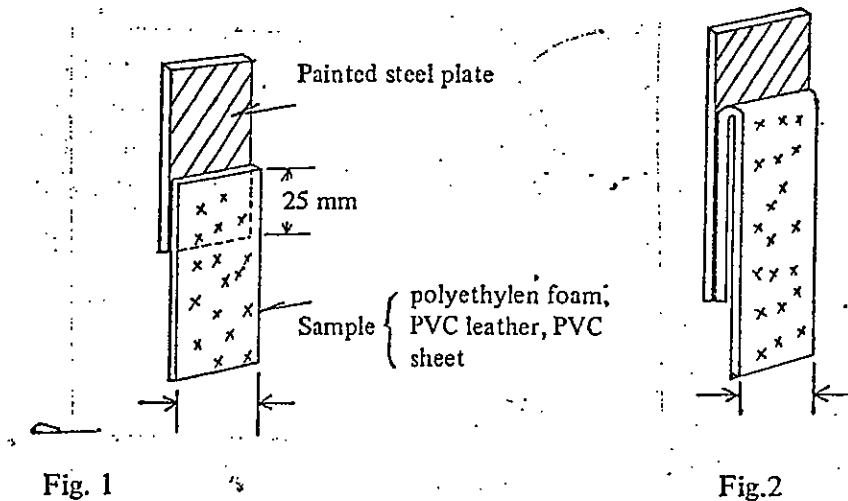
A) Specimen

Each sample is stuck to a painted steel plate of 1^t x 25 x 100 mm (for shearing adhesivity test) in the atmosphere of 20°C, 65% RH as shown in Fig. 1, 2, respectively.

Sticking conditions:

5 kg x 30 sec. (for the former)

5 kg rubber roller rolling back and forth (for the latter)



Specimen for shearing
Adhesion Test

Specimen for Peeling
Adhesion Test

B) Shearing Adhesion

The specimen prepared as stated in A) is tested on the tensile tester with a stretching speed of 200 mm/min. 30 minutes after preparation thereof.

C) Shearing Adhesion at High Temperature

The specimen prepared as stated in A) is kept in the constant temperature tank at 70°C for 30 minutes, and then it is tested at a stretching speed of 200 mm/min.

D) Shearing Adhesion after Heat Deterioration

The specimen prepared as stated in A) is held in the oven at 70°C for 120 hrs., and then its adhesion is measured in room of 20°C, 65% RH.

E) Shearing Adhesion after Moistening

Hold the specimen prepared in A) for 120 hrs. in the atmosphere of 50°C and 100% RH, take out it and at once measure the adhesion in the room of 20°C and 65% RH.

F) Holding Power

Using the specimen prepared as shown in Fig. 1, measure the holding power in the oven at 70°C under a load of 50 gr. After applying the load for 100 hrs. determine the distance of displacement of adhesions end.

The same test is performed on the specimen which has been subjected to heat deterioration at 70°C for 120 hrs.

G) Peeling Adhesion under Constant Load

Put the specimen prepared as shown in Fig. 2 into the oven, and measure the peeling adhesion at 70°C under a 180° constant load equal to 30 gr. After applying the load for 100 hrs. measure the peeling length of adhered part. The same test is performed on the specimen which has been subjected to heat deterioration at 70°C for 120 hrs.

2) Test Result

Measuring Item		Measured Value
Shearing Adhesion (Kg/25 x 25 mm ²)	In normal state	3.0
	At high temperature	2.5
	After heat deterioration	2.8
	After moistening	1.8
Peeling Adhesion (g/25 mm)	In normal state	1100
	At high temperature	1700
	After heat deterioration	2400
	After moistening	3000
Holding Power (mm)	In normal state	3.0
	After heat deterioration	2.5
Peeling Adhesion under Constant Load (mm)	In normal state	9.0
	After heat deterioration	6.8

Adherend: PVC leather

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