



Material:

Item-no.	Qty.	Description
DM860-1A	1	Adhesive plates, pair

Purpose

Between different materials molecular forces act at a very short distance.

Experiment

The plates are wetted and pushed onto one another starting from one side as shown on the image on the right.



After the plates are completely pushed over each other we try to pull them apart.



Result

If the plates are laying completely plane on each other, you need a lot of force to pull the two plates apart. The force between plate, liquid and plate is demonstrated.

Note

The significance of the molecular forces in this experiment and whether not the air pressure holds the plates together (the air was displaced between the plates) can be discussed.