

Door with Embedded Protecting Device

Abstract

The invention belongs to the technical field of closing devices, and particularly relates
5 to a door with an embedded protecting device. The invention aims at providing a door
enabling the service life of the door and the protecting device to be prolonged. To
solve the above problem, according to the technical scheme, the door with the
embedded protecting device comprises a door sheet and a door frame, wherein the
door sheet is connected with the door frame through hinges. The door further
10 comprises an elastic sheet and/or an elastic column, and one end of the elastic sheet
and/or the elastic column is fixedly connected with the inner side of a vertical frame.
A first clamped board and a second clamped board are also arranged inside the door
sheet, and the first clamped board and the second clamped board are fixedly
connected with the inner side of the door frame to form a hollow area which matches
15 with the elastic sheet and/or the elastic column. The hollow area further includes an
opening and a bottom which are positioned on different sides inside the door sheet,
and the elastic sheet and/or the elastic column extend/extends into the hollow area
from the opening.

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Fig 1