

# 3M Consumer and Office Business Product Information Sheet

Effective : Oct. 2008

## Scotch® Magic™ tape 810



### General Description

Scotch® Magic™ Tape is the original matte finish, invisible tape. It is the preferred tape for offices, home offices and schools. Writable with pen, pencil or markers.

Catalog Number	Description
Scotch® Magic™ Tape 810	A tape that is frosty in appearance on the roll, yet invisible on most office papers. Ideal for permanent paper mending and splicing. Pulls off the roll smoothly and cuts easily.  Comes on 1 inch and 3 inch cores, multiple widths

Product Characteristic	Value
<b>Backing:</b>	Matte cellulose acetate
<b>Backing thickness</b>	38 microns
<b>Adhesive:</b>	Synthetic Acrylic
<b>Adhesive thickness</b>	22 microns
<b>Adhesion to Steel:</b>	2,5 N/cm     ASTM D-3330 / AFERA 4001
<b>Unwinding force :</b>	75 cN/cm     ASTM D-3811/ AFERA 4008
<b>Tensile Strength:</b>	2.6 daN/cm     ASTM D-3759/ AFERA 4004
<b>Elongation at break:</b>	25%     ASTM D-3759/ AFERA 4004
<b>Total Thickness:</b>	0.060 mm     ASTM D-3652/ AFERA 4006
<b>pH</b>	5,8

\*These are average values. 3M does not guarantee every roll will have these specific test values. Actual values may vary and may be greater than or less than the averages listed.

**Features/Advantages Benefits:**

<b>Feature (HAS)</b>	<b>Advantage (WHICH MEANS)</b>	<b>Benefit (SO THAT)</b>
Acrylic adhesive	Excellent adhesion to a variety of surfaces	Eliminates need for multiple tapes for the office
	Extremely long aging, resists discoloration	Will not dry out or yellow, very reliable
Matte Acetate backing	Disappears on most office papers	Appearance of mended paper is not altered, easy to read and photocopy.
	Write-on surface. Can be written on with pencil, pen, and other writing device	Makes job easier when corrections are needed, saves time .
Primer coating	Holds adhesive to the backing	No trace of adhesive neither on the roll, nor on the blade of the dispenser. Adhesive will not transfer to most surfaces when tape is removed.
Release coating	Low (easy) and smooth unwind	No roll breakage, one hand dispensing.
Green plastic core	Clean appearance	No paper fragments on the edge of the roll. Product of quality.
Razor slitting	Cellulose acetate film is not made more brittle through slitting	Good balance of properties between tensile strength, dispensability and hand-tearability

**APPLICATIONS:**

1. Sealing envelopes, mending tracings, drawings, book pages, blueprints, legal documents, securities, and other permanent type applications. The matte backing will blend in with the paper and the adhesive will not affect most papers.
2. Commonly used in offices, drafting, and engineering departments. Will not affect blueprint reproductions.
3. Assembling V-Grooves and Inlay Mats in picture framing.
4. Can safely be used on all photographs (photo safe per ISO standard 14523).

**TECHNICAL NOTES:**

An environmental related data sheet has been issued to emphasize 810 Scotch® Magic™ tape **Features / Advantages / Benefits** in relation to some pro-environmental aspects.

**NOTE:**

Best storage conditions are 23°C and 50% relative humidity.