

CENTRAL STANDARDIZATION COMMITTEE

SPECIFICATION
FOR
ENVELOPES FOR X-RAY FILMS

Approved by the
CENTRAL STANDARDIZATION COMMITTEE

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ENVELOPES FOR X-RAY FILMS

SECTION 0. APPLICABLE STANDARDS

0.1 The latest issues of the following test methods form part of this specification:

TAPPI Methods T401, T402, T403, T410, T414

SECTION 1. SCOPE

1.1 This specification covers two types of envelopes to be used for the storage of processed X-ray films.

NOTE: The attention of users of this specification is drawn to the following requirements that must be specified in tender invitations and in the order or contract:

- a) The type of envelope and the colour of the paper (see 3.1.1)
- b) Size (see 3.2)
- c) Whether or not closure flaps are required (see 3.3.4)
- d) Printing (see 3.4)

SECTION 2. DEFINITIONS

2.1 For the purposes of this specification the following definitions shall apply:

Back flap. The flap opposite the closure flap and sealed on to the two side flaps.

Closure flap. The unsealed flap at the open end.

Pocket shape. The style in which the back and closure flaps are on the shorter sides of an envelope.

Seam. The area where the two side flaps overlap.

SECTION 3. REQUIREMENTS

3.1 MATERIALS

3.1.1 Paper. The paper shall consist of chemically processed wood fibres only, shall be machine-finished or machine-glazed, and shall comply with the requirements given in Table 1 appropriate to the type of envelope specified by the purchaser. The colour of the paper shall be as specified by the purchaser.

TABLE 1 - PROPERTIES OF PAPER

1	2	3	4
Property	Requirement, average		Test method subsection
	Type I	Type II	
Basis mass, g/m ² , min	*100	*120	4.3
Bursting strength, kN/m ² , min	240	345	4.4
Internal tearing resistance, both directions, N per sheet, min ...	0.88	1.12	4.5

* Subject to a tolerance of minus 5 per cent.

3.1.2 Adhesive. The adhesive used for gumming down the seam and the back flap shall be of the pure dextrine type and free from poisonous and deleterious matter.

3.2 SIZE OF ENVELOPES. Envelopes shall be of one of the following sizes, as specified by the purchaser:

- a) 260 mm x 311 mm
- b) 311 mm x 388 mm
- c) 362 mm x 438 mm

A tolerance of \pm 2mm shall be allowed on each dimension.

3.3 CONSTRUCTION

3.3.1 Style. The envelope shall be of pocket shape and the smooth side of the paper shall face inwards.

3.3.2 Seam. The seam shall be gummed down continuously to within 25 mm of the closure flap fold and 20 mm of the back flap fold.

3.3.3 Back Flap. The back flap shall be at least 25 mm deep and shall be gummed down continuously.

3.3.4 Closure Flap. Envelopes shall be with or without closure flaps, as specified by the purchaser. If closure flaps are required, they shall not be gummed and the vertical distance between the deepest point of the flap and the midpoint of the fold shall be between 60 mm and 75 mm.

3.4 PRINTING. The printing on the envelopes shall be as specified by the purchaser. Printing shall be distinct, shall be fast to light, and shall not flow when brought into contact with cold water.

SECTION 4. CONDITIONING AND TEST METHODS

4.1 CONDITIONING. Use TAPPI Method T402.

4.2 FIBRE ANALYSIS. Use TAPPI Method T401.

4.3 BASIS MASS. Use TAPPI Method T410.

4.4 BURSTING STRENGTH. Use TAPPI Method T403.

4.5 INTERNAL TEARING RESISTANCE. Use TAPPI Method T414.

4.6 DIMENSIONS. Measure dimensions to the nearest 0.5 mm.