

Technical file for a type of safety glazing material

For an application for the approval of a type of safety glazing material pursuant to the Compulsory Specification for safety glass and other safety glazing materials (herein referred to as VC9003:2014) as published by Government Notice No. R. 363 (Government Gazette No. 37631) of 16 May 2014.

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The technical file for each type of safety glazing material shall consist of the following:

1 Application form

- a) For toughened safety glass, NRCS form No. CMM FM 9003-6;
- b) For laminated safety glass, NRCS form No. CMM FM 9003-7;
- c) For organic coated safety glass, NRCS form No. CMM FM 9003-8;
- d) For safety plastics, NRCS form No. CMM FM 9003-9.

NOTE The applicant shall be the manufacturer or importer of the type of safety glazing material. The manufacturer or importer shall be an established legal entity within the Republic of South Africa.

2 Technical specifications

Where applicable, the following information shall be included in the technical file as a minimum when the type of safety glazing material is used in glazing applications other than stock sheets:

2.1 Curved glazing panes

Drawings, diagrams or photographs of each size of curved glazing pane in sufficient detail to show the following information as a minimum:

- a) The width and length;
- b) The nominal thickness to the nearest 0,01 mm of the glazing material;
- c) The maximum height of segment;
- d) The minimum radius of curvature.

NOTE 1 This information shall be included in the technical file when it is indicated in the applicable application form for approval that the type of safety glazing material is curved.

NOTE 2 The height of segment means the maximum distance, measured at right angles approximately to the glazing, separating the inner surface of the glazing from a plane passing through the ends of the glazing.

2.2 Pre-fabricated walls consisting primarily of glazing material

Drawings, diagrams or photographs of each size of pre-fabricated wall in sufficient detail to show the following information as a minimum:

- a) All component parts;
- b) Description of each component part;
- c) The dimensions of each component part;
- d) The position of each safety glazing pane;
- e) The width and length of each safety glazing pane;
- f) The nominal thickness to the nearest 0,01 mm of each safety glazing pane;
- g) The material/s used in each safety glazing pane;
- h) The markings on each safety glazing pane.

2.3 Glazing fixed in walls and horizontally sliding doors of lifts

Drawings, diagrams or photographs of each model of lift in sufficient detail to show the following information as a minimum:

- a) Name of lift manufacturer;
- b) Model name or number of lift;
- c) All component parts;
- d) Description of each component part;
- e) The dimensions of each component part;
- f) The position of each safety glazing pane;
- g) The width and length of each safety glazing pane;
- h) The nominal thickness to the nearest 0,01 mm of each safety glazing pane;
- i) The material/s used in each safety glazing pane;
- j) The markings on each safety glazing pane.

2.4 Pre-fabricated doors and sidelights consisting primarily of glazing material

Drawings, diagrams or photographs of each size of pre-fabricated door or sidelight in sufficient detail to show the following information as a minimum:

- a) All component parts;
- b) Description of each component part;
- c) The dimensions of each component part;
- d) The position of each safety glazing pane;
- e) The width and length of each safety glazing pane;
- f) The nominal thickness to the nearest 0,01 mm of each safety glazing pane;
- g) The material/s used in each safety glazing pane;
- h) The markings on each safety glazing pane.

2.5 Pre-fabricated doors and sidelights fitted with glazing

Drawings, diagrams or photographs of each size of pre-fabricated door or sidelight in sufficient detail to show the following information as a minimum:

- a) All component parts;
- b) Description of each component part;
- c) The dimensions of each component part;
- d) The position of each safety glazing pane;
- e) The width and length of each safety glazing pane;
- f) The nominal thickness to the nearest 0,01 mm of each safety glazing pane;
- g) The material/s used in each safety glazing pane;
- h) The markings on each safety glazing pane.

2.6 Glazing fixed in pre-fabricated window frames

Drawings, diagrams or photographs of each size of pre-fabricated window frame in sufficient detail to show the following information as a minimum:

- a) All component parts;
- b) Description of each component part;
- c) The dimensions of each component part;
- d) The position of each safety glazing pane;
- e) The width and length of each safety glazing pane;
- f) The nominal thickness to the nearest 0,01 mm of each safety glazing pane;
- g) The material/s used in each safety glazing pane;
- h) The markings on each safety glazing pane.

2.7 Pre-fabricated glazed bath enclosures and shower cubicles

Drawings, diagrams or photographs of each size of pre-fabricated glazed bath enclosure or shower cubicle in sufficient detail to show the following information as a minimum:

- a) All component parts;
- b) Description of each component part;
- c) The dimensions of each component part;
- d) The position of each safety glazing pane;
- e) The width and length of each safety glazing pane;
- f) The nominal thickness to the nearest 0,01 mm of each safety glazing pane;
- g) The material/s used in each safety glazing pane;
- h) The markings on each safety glazing pane.

2.8 Glazing in pre-fabricated balustrades

Drawings, diagrams or photographs of each size of pre-fabricated balustrade in sufficient detail to show the following information as a minimum:

- a) All component parts;
- b) Description of each component part;
- c) The dimensions of each component part;
- d) The position of each safety glazing pane;
- e) The width and length of each safety glazing pane;
- f) The nominal thickness to the nearest 0,01 mm of each safety glazing pane;
- g) The material/s used in each safety glazing pane;
- h) The markings on each safety glazing pane.

2.9 Glazing in pre-fabricated internal partitions

Drawings, diagrams or photographs of each size of pre-fabricated internal partition in sufficient detail to show the following information as a minimum:

- a) All component parts;
- b) Description of each component part;
- c) The dimensions of each component part;
- d) The position of each safety glazing pane;
- e) The width and length of each safety glazing pane;
- f) The nominal thickness to the nearest 0,01 mm of each safety glazing pane;
- g) The material/s used in each safety glazing pane;
- h) The markings on each safety glazing pane.

2.10 Glazing used in the construction of furniture

Drawings, diagrams or photographs of each type of furniture in sufficient detail to show the following information as a minimum:

- a) All component parts;
- b) Description of each component part;
- c) The dimensions of each component part;
- d) The position of each safety glazing pane;
- e) The width and length of each safety glazing pane;
- f) The nominal thickness to the nearest 0,01 mm of each safety glazing pane;
- g) The material/s used in each safety glazing pane;
- h) For each shelf and table top of safety glass, the location of each of its supports;
- i) For glazed shelving not uniformly supported over the entire length, the maximum uniformly distributed safe load per unit area for each shelf of safety glass in kg/m²;
- j) For glazed shelving not uniformly supported over the entire length, the maximum concentrated load for each shelf of safety glass in kg;
- k) For each safety glass pane, the type of finish of all its edges;
- l) The markings on each safety glazing pane.

2.11 Glazing used in fish tanks (aquariums)

Drawings, diagrams or photographs of each size of fish tank (aquariums) in sufficient detail to show the following information as a minimum:

- a) All component parts;
- b) Description of each component part;
- c) The dimensions of each component part;
- d) The position of each safety glazing pane;
- e) The width and length of each safety glazing pane;
- f) The nominal thickness to the nearest 0,01 mm of each safety glazing pane;
- g) The material/s used in each safety glazing pane;
- h) The markings on each safety glazing pane.

2.12 Glazing in pre-fabricated underwater observation panels

Drawings, diagrams or photographs of each size of pre-fabricated underwater observation panel in sufficient detail to show the following information as a minimum:

- a) All component parts;
- b) Description of each component part;
- c) The dimensions of each component part;
- d) The position of each safety glazing pane;
- e) The width and length of each safety glazing pane;
- f) The nominal thickness to the nearest 0,01 mm of each safety glazing pane;
- g) The material/s used in each safety glazing pane;
- h) The markings on each safety glazing pane.

2.13 Weather shelters for public transport passengers fitted with glazing

Drawings, diagrams or photographs of each design of weather shelter in sufficient detail to show the following information as a minimum:

- a) All component parts;
- b) Description of each component part;
- c) The dimensions of each component part;
- d) The position of each safety glazing pane;
- e) The width and length of each safety glazing pane;
- f) The nominal thickness to the nearest 0,01 mm of each safety glazing pane;
- g) The material/s used in each safety glazing pane;
- h) The markings on each safety glazing pane.

2.14 Pre-fabricated display cabinets and notice boards fitted with glazing

Drawings, diagrams or photographs of each design of pre-fabricated display cabinet and notice board in sufficient detail to show the following information as a minimum:

- a) All component parts;
- b) Description of each component part;
- c) The dimensions of each component part;
- d) The position of each safety glazing pane;
- e) The width and length of each safety glazing pane;
- f) The nominal thickness to the nearest 0,01 mm of each safety glazing pane;
- g) The material/s used in each safety glazing pane;
- h) The markings on each safety glazing pane.

3 Markings

Markings appearing on the type of safety glazing material as required by paragraph 5 of the latest edition of SANS 1263-1.

4 Proof of compliance

Test report/s demonstrating compliance with the applicable requirements of the latest edition of SANS 1263-1.

NOTE 1 Only test reports from a testing authority that has been accredited in accordance with the latest edition of SANS 17025 by a signatory to the International Laboratory Accreditation Co-Operation's Mutual Recognition Agreement shall be accepted as proof of compliance with the requirements of VC9003:2014. No approval certificates or product certification certificates shall be accepted.

NOTE 2 Test reports shall satisfy the requirements of the latest editions of SANS 1263-1 and SANS 17025. See NRCS form No. CMM FM 9003-4 for guidance.

NOTE 3 Test reports shall not be older than one (1) year from the date of receipt.

5 Conformity of production and routine tests

NRCS form No. CMM FM 9003-5.

6 Other

Any other materials that the applicant may wish to include in the technical file in order to support the application for approval of the type of safety glazing material, e.g. marketing material.
