

**0191P GERFLOR SUNDRY ITEMS****Branded worksection**

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**Worksection abstract**

This branded worksection *Template* is applicable to sundry items designed for **healthcare**, retirement, education, service, industry sectors supplied by GERFLOR Australasia, including wall protection, corner protection, door protection and handrails.

**Guidance text**

All text within these boxes is provided as guidance for developing this worksection and should not form part of the final specification. This *Guidance* text may be hidden or deleted from the document using the NATSPEC Toolbar or the hidden text *Hide* and *Delete* functions of your word processing system. For additional information visit FAQs at [www.natspec.com.au](http://www.natspec.com.au).

**Optional style text**

Text in this font (blue with a grey background) covers items specified less frequently. It is provided for incorporation into *Normal* style text where it is applicable to a project.

**Related material located elsewhere in NATSPEC**

If a listed worksection is not part of your subscription package and you wish to purchase it, contact NATSPEC.

Related material may be found in other worksections. See for example:

- *0181 Adhesives, sealants and fasteners.*
- *0183 Metals and prefinishes.*
- *0552 Metalwork – fabricated.*

**Documenting this and related work**

You may document this and related work as follows:

- Schedule sundry items on drawings in conformance with your office documentation policy.

The *Normal* style text of this worksection may refer to items as being documented elsewhere in the contract documentation. Make sure they are documented.

**Specifying ESD**

GERFLOR PVC products: Do not contain heavy metals and GERFLOR uses calcium-zinc stabilisation.

Air quality: Products are tested to ISO 16000 and emit less than 100ug/m<sup>3</sup> over 3 days.

Recycling: PVC and aluminium are 100% recyclable and offcuts from the manufacturing process are recycled.

Adhesives: Water-based or universal mastic glue on a MS polymer base. No solvents are used.

Reduced levels of waste: Pre-cutting service eliminates waste from offcuts.

Refer to the NATSPEC TECHreport TR 01 on specifying ESD.

**1 GENERAL**

Gerflor Australasia Pty Ltd is a world leading manufacturer of door and wall protection systems, handrails and accessories. GERFLOR is an Australian company with more than 30 years' experience in diverse market sectors including health and aged care, education, indoor sports facilities and assorted commercial projects. Colour, design and innovation are hallmarks of the brand that offers sustainable products that complement current design trends.

**1.1 RESPONSIBILITIES****General**

Requirement: Provide GERFLOR sundry items, as documented.

*Documented* is defined in *0171 General requirements* as meaning contained in the contract documents.

**1.2 COMPANY CONTACTS****GERFLOR technical contacts**

Website: [www.gerflor.com.au/services/professionals/contact](http://www.gerflor.com.au/services/professionals/contact)

### 1.3 CROSS REFERENCES

#### General

Requirement: Conform to the following:

- 0171 General requirements.

0171 General requirements contains umbrella requirements for all building and services worksections.

List the worksections cross referenced by this worksection. 0171 General requirements references the 018 Common requirements subgroup of worksections. It is not necessary to repeat them here. However, you may also wish to direct the contractor to other worksections where there may be work that is closely associated with this work.

NATSPEC uses generic worksection titles, whether or not there are branded equivalents. If you use a branded worksection, change the cross reference here.

### 1.4 MANUFACTURER'S DOCUMENTS

#### GERFLOR technical manuals

Residential: [www.gerflor.com.au/services/end-users](http://www.gerflor.com.au/services/end-users)

Commercial: [www.gerflor.com.au/services/professionals/virtual-library](http://www.gerflor.com.au/services/professionals/virtual-library)

### 1.5 SUBMISSIONS

#### Fire hazard properties

Requirement: Submit evidence of conformance to PRODUCTS, **GENERAL**, **Fire hazard properties**.

#### Operation and maintenance manuals

General: Submit GERFLOR's published use, care and maintenance requirements.

#### Products and material

Product data: Submit manufacturer's printed product data, including installation instructions.

Sealant compatibility statements: Submit statements from all parties to the installation certifying the compatibility of sealants with items.

#### Samples

General: Submit samples of the following:

- Each type of joint.
- Rigid vinyl sheet: 200 mm<sup>2</sup> sample of each documented type and colour.
- Sections for use in fabricated work.

Samples required for: [complete/delete]

Nominate complete samples for smaller items, if applicable.

Labelling: Label each sample, giving the brand and product name, manufacturer's code reference, date of manufacture and intended building location.

#### Subcontractors

General: Submit names and contact details of proposed GERFLOR suppliers and installers.

Evidence of experience: [complete/delete]

Contact GERFLOR for details of recommended installers. Delete if installer details are not required.

#### Warranties

Requirement: Submit a manufacturer's and/or installer's warranty, naming the principal, clearly defining warranty period and conditions.

### 1.6 INSPECTION

#### Notice

Inspection: Give notice so inspection can be made of the following:

- Set-out of item locations before fixing.
- Completion of installation.

Hold points, if required, should be inserted here.

## 2 PRODUCTS

### 2.1 GENERAL

#### Fire hazard properties

Group number: To BCA Spec C1.10 and AS 5637.1.

Group number: Refer to BCA Spec C1.10 Table 3 which has *group number* requirements for wall and ceiling linings. Materials used as a finish, surface, lining, or attachment to an internal wall or ceiling must be a Group 1, 2 or 3 material used in conformance with BCA Spec C1.10 Table 3.

Non-sprinklered buildings: Wall and ceiling linings must either have an *average specific extinction area* less than 250 m<sup>2</sup>/kg or a *smoke growth rate index* not more than 100 as determined by AS 5637.1.

Refer to NATSPEC TECHnote DES 020 for information on fire hazard properties.

#### Product substitution

Other products: Conform to PRODUCTS, **GENERAL, Substitutions** in *0171 General requirements*.

The *0171 General requirements* clause sets out the submissions required if the contractor proposes alternative products. Refer also to NATSPEC TECHnote GEN 006 for more information on proprietary specification.

#### Storage and handling

General: Deliver products to site in unbroken wrapping or packs.

Flat sheet: Store in a clean dry interior area. Avoid direct sunlight.

#### Product identification

General: Marked to show the following:

- Manufacturer's identification.
- Product brand name.
- Product type.
- Quantity.
- Product reference code and batch number.
- Date of manufacture.

Edit the list to suit the project or delete if not required.

### 2.2 GERFLOR SYSTEMS

For more than 70 years and in more than 100 countries, GERFLOR is recognised as an expert and a world leader in flooring and wall/door protection thanks to technical, decorative and eco-responsible added value solutions, specific to each market application (healthcare, retirement homes, retail, industry, education, social housing, offices, sports).

#### GERFLOR SPM wall protection systems

Description: GERFLOR wall protection products and accessories as follows:

- Linea'Punch, Impact 60, Impact 120 and Impact 200: PVC rails with aluminium fixing components.

Section depths available for Impact include 60 mm, 120 mm and 200 mm.

- Contact 200 and Contact 350: Adhesive backed PVC plates.

Section depths available for Contact include 200 mm and 350 mm.

- Plac'Inox: Stainless steel protection plate.

Height as required up to 1250 mm and length as required up to 2500 mm.

- Decochoc, Decocofresc, Decoprint, Decocare, Decokid, Decoclean, Decowood, Decotrend and Bedkit: PVC panels.

Decochoc and Decoclean can be installed from floor to ceiling with welded joints, in right angled or curved corners and above the skirting of PVC floor coverings. GERFLOR welding joints are colour matched to the panel and form a waterproof seal that works with GERFLOR's Clean Corner System, recommended for rooms requiring a high level of hygiene. Thermoforming is also available for Decochoc, Decowood and Decotrend to cover round pillars and complex door frames.

Selection: Conform to the **GERFLOR SPM wall protection schedule**.

#### GERFLOR SPM corner protection systems

Description: GERFLOR corner protection products and accessories as follows:

- Capcorn, Cornea and Corneaflex: PVC profiles with a continuous pre-drilled aluminium core.
- Profil'Inox: Adhesive backed brushed stainless steel profile.

Wing widths available for Profil'Inox include 50 mm or 30 mm.

- Linea'Flex and Protecta 2: Adhesive backed PVC profiles.

Selection: Conform to the **GERFLOR SPM corner protection schedule**.

#### **GERFLOR SPM door protection systems**

Description: GERFLOR door protection panels and handplates, cut to size, folded into L or U bends and adapted to fit doors and door frames as follows:

- Contact 200 and Contact 350: Foot-height door protection plates.
- Plac'Inox: Foot-height door protection plate or half-height door straight cut panel.
- Decochoc: Half-height door straight cut panel, half-height decorative cut out door panel, handplate, inlaid signage, edges and frames.

Selection: Conform to the **GERFLOR SPM door protection schedule**.

#### **GERFLOR SPM handrail systems**

Description: GERFLOR handrails with bactericidal joints, including:

- Performer 2: PVC profile with a continuous aluminium core, adjustable aluminium clamp and Autoclip<sup>®</sup> rapid installation and adjustment system.
- Starline: PVC sheathed or anodised aluminium profile with PVC, wood or trend effect bands and anodised aluminium wall brackets.
- Linea'Touch: PVC sheathed, wood sheathed or aluminium trilobed profile with anodised aluminium wall brackets.
- Escort: PVC sheathed, wood sheathed or aluminium 40 mm diameter profile with anodised aluminium wall brackets.

Refer to GERFLOR's manual for solutions for handrails in front of service ducts, curved applications, bactericidal jointing accessory, rapid angle staircases and dual height or tactile options.

Selection: Conform to the **GERFLOR SPM handrail schedule**.

### **3 EXECUTION**

#### **3.1 CONSTRUCTION GENERALLY**

##### **Components**

Accuracy: Build components square and install plumb.

Joints: Provide materials in single lengths whenever possible. If joints are necessary, make them over supports.

Door protection: Use only single pieces on the face of the door, without any joins.

##### **Accessories and trim**

General: Provide accessories and trim necessary to complete the installation.

##### **Working environment**

General: Do not start work before wet work is complete and dry, overhead work is complete and good lighting is available. Protect adjoining surfaces.

#### **3.2 GERFLOR SPM WALL, CORNER AND DOOR PROTECTION SYSTEMS INSTALLATION**

##### **Installation**

Requirement: To GERFLOR's SPM recommendations for wall protection and handrails installation.

##### **Acclimatisation**

Requirement: Acclimatise sheet and adhesives in the environmental controlled installation area to manufacturer's recommendations. Maintain a constant temperature and humidity 24 hours before, during and 48 hours after installation.

##### **Substrates**

General: Check walls are free from dirt, grease and loose paint.

Unpainted plasterboard or plaster: Remove dust and dirt, seal walls with polyvinyl acetate-free paint/primer.

Painted plasterboards or plaster: Test the wall for adhesion by applying 300 mm x 300 mm SPM rigid sheet in an inconspicuous location for 24 hours. If paint has softened, strip the paint off the wall and reseal with a recommended paint/primer.

Concrete and masonry: Fill surface to make smooth and seal walls with polyvinyl acetate-free paint/primer.

Unfilled grout lines may be visible through the sheets.

Non-porous surfaces: To the manufacturer's recommendations.

### Edges of sheets

General: Make sure edges are firm, unchipped and machine-cut accurately to size and square to the face.

Exposed edges: Chamfer all exposed edges of surface mounted sheets.

### Thermoforming

U & L bends: To GERFLOR's recommendations.

### Adhesives and fasteners

Linea'Punch and Impact: Screw fix aluminium brackets at 750 mm centres or screw fix aluminium continuous core at 750 mm centres. Select fastener type appropriate to substrate.

Contact and Plac'Inox: Adhesive bond with SPM universal mastic glue.

Decochoc, Decofresc, Decoprint, Decocare, Decokid, Decoclean, Decowood and Decotrend: Adhesive bond with SPM acrylic glue or SPM universal mastic glue.

Bedkit: Screw fix with metal expansion plugs appropriate for the substrate.

Corner protection fixing: Adhesive bond with SPM acrylic glue or SPM universal mastic glue or screw fix using metal expansion plugs appropriate for the substrate.

Adhesive fixing method: Rigidly adhere to substrate with adhesive to GERFLOR's recommendations. Smooth roll surface after applying adhesive.

Visibility: Do not provide visible fixings except where detailed as a design feature. Where fastenings are unavoidable on visible surfaces, sink the heads below the surface and fill the sinking flush with a material compatible with the surface finish. In surfaces which are to have clear or tinted finish, provide matching wood plugs showing face grain (not end grain).

## 3.3 GERFLOR SPM HANDRAIL PROTECTION SYSTEMS INSTALLATION

### Installation

Requirement: To GERFLOR's SPM wall protection and handrails installation procedures.

## 3.4 COMPLETION

### Reinstatement

Extent: Repair or replace faulty or damaged work. If the work cannot be repaired, replace the whole area affected.

### Cleaning

General: Immediately upon completion of installation, clean the finished surface to GERFLOR's recommendations. Make sure all sheets and profiles are cleaned and free of any layout marks, excess adhesive or surface blemishes. Remove excess adhesive to the manufacturer's recommendations.

## 4 SELECTIONS

Schedules are a way of documenting a selection of proprietary or generic products or systems by their properties. Indicate their locations here and/or on the drawings. Refer to NATSPEC TECHnote GEN 024 for guidance on using and editing schedules.

### GERFLOR SPM wall protection schedule

Property	A	B	C
Location			
Product			
Panel dimension (W x H) (mm)			
Colour			
Image/theme			
Sheet set-out			
Mounting			

Property	A	B	C
height/Projection			
Joints			
Group number			

A, B, C: These designate each instance or type or location of the item scheduled. e.g. Wall sheet, Head wall, Rubrail. Edit to align with the project's codes or tags.

Coordinate codes in the **Schedule** with those that appear on drawings.

Location: Nominate room, space or wall.

Product: Select from:

- Linea'Punch.
- Impact 60, Impact 120 or Impact 200.
- Contact 200 or Contact 350.
- Decochoc.
- Decofresc.
- Decoprint.
- Decocare Classic or Decocare Fountain.
- Decokid.
- Decoclean.
- Decowood.
- Decotrend Composite or Decotrend Brushed Aluminium
- Bedkit.
- Plac'Inox

Panel dimension: Standard dimensions are 3000 mm x 1300 mm. Alternatives include:

- Decochoc, Decoclean: Custom options include cutting to size, bends into L/U thermoformings, chamfers.
- Decoprint: Made to measure. Maximum height 1200 mm and maximum width 2900 mm.
- Decocare: Classic 600 mm x 400 mm or Fountain 600 mm x 600 mm.
- Plac'Inox: Maximum width 2500 mm. Maximum height 1250 mm.
- Decowood and Decotrend: Thermoformed bends and curves are available.

Colour: Select from the GERFLOR standard colour range for the product documented.

Image/Theme: Select from:

- Decofresc: Public contemporary panels - Wave, Cloud or Early childhood panels - Altitude, Savannah, Maritime. Contact GERFLOR for image options.
- Decoprint: Contact GERFLOR for further information about customised panels using images and photos.
- Decocare: Contact GERFLOR for customisation of standard image.
- Decokid: Contact GERFLOR for the 11 designs available in predefined colours.

Sheet set-out: Delete if shown on drawings.

Mounting height: Delete if shown on drawings. Select from:

- Linea'Punch and Impact mounting height: For mid-level wall protection mount at 800 mm above finished floor or datum to the centreline and for low-level wall protection mount above the top of the skirting.

Joints: Select from:

- Decochoc, Decowood and Decotrend: Fin'Alu finishing profile and Fin'Alu jointing profile, Fin'Color finishing and/or jointing profile, SPM silicone joints (colour matched) or SPM welded joints.
- Decoclean: Fin'Color finishing and/or jointing profile, SPM silicone joints (colour matched) or SPM welded joints.
- Decofresc, Decoprint, Decocare: SPM silicone joints (colour matched) or SPM welded joints.

Group number: GERFLOR PVC is Group 1 to BCA C1.10 and AS 5637.1.

#### GERFLOR SPM corner protection schedule

Property	A	B	C
Location			
Product			

Property	A	B	C
Angle			
Wing width			
Length			
Colour			

A, B, C: These designate each instance or type or location of the item scheduled. Edit to align with the project's codes or tags.

Coordinate codes in the **Schedule** with those that appear on drawings.

Location: Nominate room, space or wall.

Product: Select from:

- Capcorn.
- Cornea.
- Corneaflex.
- Profil'Inox 30 or Profil'Inox 50.
- Linea'Flex.
- Protecta 2.
- Profila 30 or Profila 50.

Angle: Select from:

- Corneaflex: 135 or variable angles.
- Linea'Flex: Between 80 and 150.
- Protecta 2: Between 70 and 135.

Wing width: Select from:

- Profil'Inox: 30 mm or 50 mm.
- Profila: 30 mm or 50 mm.

Length: Select from: 1300 mmm, 2000 mm or 4000 mm.

Colour: Select from the GERFLOR standard colour range for the product documented.

#### GERFLOR SPM door protection schedule

Property	A	B	C
Location			
Type			
Product			
Decorative cut out			
Colour			
Inlayed signage			
Inlayed signage: Numeral colour			
Door edge protection			
Door frame protection			
Door frame protection: Colour			

A, B, C: These designate each instance or type or location of the item scheduled. Edit to align with the project's codes or tags.

Coordinate codes in the **Schedule** with those that appear on drawings.

Location: Nominate room, space, wall or door.

Type and Product: Select from:

- Foot-height door protection: Contact 200, Contact 350 or Plac'Inox plates.
- Half-height door: Decochoc or Plac'Inox straight cut panels.
- Half-height decorative door: One colour Decochoc or Two-colour Decochoc, panel with decorative cut outs.
- Handplates: Decochoc panel cut to size.

Decorative cut outs: Select from:

- One colour Decochoc: Iron, Wave, Mountain or Cubic.
- Two-colour Decochoc: Stratum, Cubic, Comma, Stairs or Rainbow.
- Handplate masks: Lady, Man, Plac'net, Delta, No, Glass, Eclipse, Wooden or Dan.

Inlaid signage for half-height doors: Select from:

- Numerals: Nominate number.
- Early childhood drawings: Lioness, Hippopotamus, Doe, Giraffe, Rabbit, Monkey, Toucan, Beaver, Bear or Elephant.

Door edge protection using Decochoc: For pre-bent, nominate L-bend or U-bend or Bend on site.

Door frame protection using cut to size and thermoformed Decochoc: Required or Not required for complex door frames that cannot be protected by L or U bends.

Colour: Select from the GERFLOR standard colour range for the product documented.

### GERFLOR SPM handrail schedule

Property	A	B	C
Location			
Product			
Handrail profile finish/colour			
Handrail band			
Accessories			
Mounting height			
Fixing centres			

A, B, C: These designate each instance or type or location of the item scheduled. Edit to align with the project's codes or tags.

Coordinate codes in the **Schedule** with those that appear on drawings.

Location: Nominate room, space or wall.

Product: Select from:

- Performer 2.
- Starline with PVC sheath, Starline Anodised, Starline Decowood or Starline Decotrend.
- Linea'Touch (or Linea'Touch+) with PVC sheath, or Linea'Touch Anodised.
- Escort with PVC sheath, Escort Decowood, Escort Anodised.

Handrail profile finish/colour: Select from:

- Performer 2: GERFLOR standard colour range.
- Starline with PVC sheath: Chalk PVC or Gravel PVC.
- Linea'Touch with PVC sheath: GERFLOR standard colour range.
- Linea'Touch Decowood: 7 wood effect decors.
- Escort with PVC sheath: GERFLOR standard colour range.
- Escort Decowood: 7 wood effect decors.

Handrail band: Select from:

- Starline with PVC sheath: GERFLOR standard colour range.
- Starline Decowood: 7 wood effect decors.
- Starline Decotrend: 2 trend effect decors.

Accessories: Escort Decowood: Silver tone, Wood effect or Chromium look wall returns, angle pieces and end caps (round or flat).

Mounting height: Nominate the mounting height or delete if shown on drawings. Upper edge of handrail section maximum 900 mm above FFL.

Fixing centres: 1200 mm centres or 800 mm centres.

### REFERENCED DOCUMENTS

The following documents are incorporated into this worksection by reference:

AS 5637 Determination of fire hazard properties



AS 5637.1	2015	Wall and ceiling linings
BCA Spec C1.10	2016	Fire resistance - Fire hazard properties
<b>The following documents are mentioned only in the <i>Guidance</i> text:</b>		
BCA C1.10	2016	Fire resistance - Fire resistance and stability - Fire hazard properties
NATSPEC DES 020	2011	Fire behaviour of building materials and assemblies
NATSPEC GEN 006	2007	Product specifying and substitution
NATSPEC GEN 024	2015	Using NATSPEC selections schedules
NATSPEC TR 01	2017	Specifying ESD