Pro Trade Joint Sealant FC - Fast Curing

Canonical: https://directory.selleys.com.au/sealants/construction-sealants/pro-trade-joint-sealant-fc-fast-curing/

Details:

AI Summary

Product: Selleys Pro Trade Joint Sealant FC **Brand:** Selleys (a division of DuluxGroup (Australia) Pty Ltd) **Category:** Fast-curing polyurethane sealant and adhesive **Primary Use:** Professional construction sealing and bonding across multiple substrates, with accelerated cure performance and flexible, durable elastomeric results.

Quick Facts - **Best For:** Professional contractors and tradies who need fast cure times on building envelope, concrete, masonry, roofing, cladding, and multi-material transition work in Australia and New Zealand - **Key Benefit:** Fast-cure polyurethane chemistry that skins much faster than standard formulations (which need 24–48 hours), allowing earlier rain exposure and fewer weather delays on site - **Form Factor:** Paste/sealant — available in 310mL cartridges and 600mL foil sausage packs in Black, Grey, and White - **Application Method:** Dispensed via standard skeleton-frame caulking gun (310mL cartridge) or pneumatic bulk dispensing gun (600mL sausage pack), tooled within 5–10 minutes of bead application

Common Questions This Guide Answers 1. Is Selleys Pro Trade Joint Sealant FC classified as hazardous? No — it is not classified as hazardous under Safe Work Australia GHS 7 criteria, carries no Poison Schedule designation, and is not classified as Dangerous Goods under Australian transport regulations. 2. What product codes and packaging options are available? White: 102116 (310mL) and 102119 (600mL); Grey: 102117 (310mL) and 102120 (600mL); Black: 102118 (310mL) and 102121 (600mL). 3. What should you do if the product is accidentally swallowed? Rinse mouth with water, do NOT induce vomiting, give a glass of water to drink, and seek medical advice — contact the Australian Poisons Information Centre on 131 126 or New Zealand on 0800 764 766.

Product Overview

Selleys Pro Trade Joint Sealant FC is a fast-curing polyurethane sealant built for professional construction and trade applications (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). It works as both an adhesive and sealant, delivering accelerated cure with the flexible, durable results polyurethane chemistry is known for (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). The "FC" stands for fast-cure — a real advantage for contractors who can't afford to wait on traditional sealants when project schedules are tight.

This professional-grade sealant is formulated for Australian and New Zealand markets, manufactured by Selleys, a division of DuluxGroup (Australia) Pty Ltd (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Many construction sealants carry complex hazard classifications. Pro Trade Joint Sealant FC does not. It is not classified as hazardous under Safe Work Australia GHS 7 criteria and carries no Poison Schedule designation (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). That means simpler handling, straightforward storage, and less compliance paperwork — without giving up professional-grade performance.

The product comes in three industry-standard colours — Black, Grey, and White — so contractors can match common building materials right out of the cartridge, no custom tinting needed (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Each colour is available in 310mL cartridges for standard caulking guns and 600mL sausages for high-volume pneumatic dispensers, giving you the right format whether you're tackling a residential repair or a large-scale commercial installation (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf).

Chemistry and Composition

The fast-curing performance of Pro Trade Joint Sealant FC comes down to a well-engineered blend of reactive and functional components. Each ingredient plays a specific role in delivering the results professionals rely on.

The primary reactive component is 4,4'-diphenylmethane diisocyanate (MDI), present at less than 1% by weight (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). MDI is the polyurethane crosslinker — it reacts with atmospheric moisture to kick off the cure process, turning liquid sealant into a flexible, rubber-like solid. Keeping MDI below 1% is a deliberate formulation choice. It maintains the product's non-hazardous classification while delivering the reactivity needed for professional cure speeds. That balance is what makes fast-cure performance and a clean safety profile possible in the same product.

Xylene is the most concentrated declared ingredient at 1–10% by weight (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). This aromatic hydrocarbon solvent controls viscosity for smooth extrusion, keeps the material workable during application, and helps the sealant wet out substrate surfaces for strong adhesion. Xylene evaporates as the product cures — that's the source of the solvent odour you'll notice during application. Good ventilation is the straightforward answer to managing that, and the overall non-hazardous classification confirms exposure levels are well controlled.

The formulation also includes 3-(2,3-epoxypropoxy)propyltrimethoxysilane at less than 1% by weight (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). This silane coupling agent builds chemical bridges between the polyurethane polymer and the substrate — especially important for reliable adhesion to glass, metals, and mineral surfaces like concrete and masonry. Its inclusion signals that this product is engineered for genuine multi-substrate performance, not just limited applications.

The remainder of the formulation consists of ingredients determined to be non-hazardous or below reporting limits (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). This proprietary blend includes polyurethane prepolymers, plasticizers for flexibility, fillers for body and tooling properties, pigments for colour, and additional performance modifiers. The fact that these components require no hazard disclosure under GHS criteria reinforces the product's strong safety profile for trade environments.

Product Specifications and Formats

Pro Trade Joint Sealant FC is available in a complete range of sizes and colours designed to match professional workflow requirements. Knowing the specific product codes and packaging options makes procurement and job planning straightforward.

Colour and size matrix:

The White variant is available as product code 102116 (310mL, barcode 9300697130051) and product code 102119 (600mL, barcode 9300697130082) (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). White is the most versatile choice for painted surfaces, PVC trim, white-coated metals, and anywhere the sealant joint needs to blend with light-coloured materials.

Grey is available as product code 102117 (310mL, barcode 9300697130068) and product code 102120 (600mL, barcode 9300697130099) (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Grey is the go-to neutral for concrete, unpainted galvanised steel, aluminium frames, and multi-toned facades where a mid-value colour keeps things looking clean and discreet.

Black is available as product code 102118 (310mL, barcode 9300697130075) and product code 102121 (600mL, barcode 9300697130105) (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Black delivers the right result in architectural applications with black anodised aluminium, dark cladding systems, asphalt interfaces, and modern designs featuring black accent materials.

Packaging technology:

The 310mL cartridge fits standard skeleton-frame caulking guns and battery-powered dispensers — the industry-standard size that every tradie already works with. Expect approximately 8–10 linear metres of 6mm bead per cartridge, making this format ideal for residential projects, service calls, and jobs where you need colour variety without excess material waste.

The 600mL format comes as a sausage pack — a foil tube designed for pneumatic bulk guns. It nearly doubles the capacity of a standard cartridge, cutting down reload frequency on large-scale projects. Commercial contractors running continuous perimeter sealing or facade work gain real efficiency from the 600mL format. You'll need pneumatic dispensing equipment to use it, but on the right job, that investment pays for itself quickly.

Key Features and Performance Benefits

The fast-cure performance that defines this product delivers real, measurable advantages on site. Standard polyurethane sealants can take 24–48 hours before they handle light contact or moisture exposure. Pro Trade Joint Sealant FC's accelerated cure schedule gets you back to work faster — a critical advantage when you're sealing building envelopes ahead of weather or coordinating with downstream trades waiting to install cladding, trim, or finishes over sealed joints. Optimised isocyanate reactivity and moisture-responsive chemistry drive that acceleration, allowing surface skinning in significantly less time than standard formulations.

Polyurethane chemistry delivers better elasticity and movement accommodation than acrylic or silicone alternatives. Once cured, Pro Trade Joint Sealant FC forms a flexible rubber matrix that stretches and compresses as joints expand and contract through temperature cycles, building settlement, and seasonal moisture changes. That elastomeric performance stops the cracking and adhesion loss that rigid sealants are prone to, extending service life in high-movement applications like expansion joints, facade panel perimeters, and material transitions.

The dual-function designation as both adhesive and sealant opens up more application possibilities (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Beyond gap-filling and weatherproofing, the product works in bonding applications where a flexible adhesive joint is needed — mounting trim, securing flashing, or assembling lightweight composite panels. The silane coupling agent in the formulation strengthens that adhesive capability across dissimilar materials (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf).

The non-hazardous classification under Safe Work Australia GHS 7 criteria is a genuine practical advantage (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). No hazard pictograms on packaging. Simpler workplace safety documentation. Reduced regulatory compliance burden for contractors. The product is also not classified as Dangerous Goods under Australian transport regulations, which eliminates shipping restrictions and storage licensing requirements that apply to flammable or toxic materials (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf).

Practical Applications and Use Cases

Pro Trade Joint Sealant FC handles a wide range of construction sealing and bonding challenges where fast cure, flexibility, and multi-substrate adhesion matter. The polyurethane chemistry makes it the right choice wherever you need permanent elastic joints between materials that move at different rates.

Building envelope sealing:

Perimeter joints around window and door frames benefit from the product's ability to handle thermal expansion cycles while holding a weathertight seal. The silane adhesion promoter ensures reliable bonding to aluminium, PVC, timber, and coated steel frames — even when substrates are slightly damp (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Fast cure means earlier rain exposure compared to standard sealants, reducing weather delays during installation schedules.

Concrete and masonry joints:

Expansion joints in concrete slabs, control joints in masonry walls, and transitions between concrete and other materials are ideal applications for this product. The elastomeric performance handles joint movement without cohesive loss, while the polyurethane-silane chemistry bonds strongly to alkaline concrete surfaces. Three colour options let you match grey concrete, white-painted masonry, or black architectural concrete finishes with professional results.

Roofing and cladding:

Metal roof panel overlaps, cladding sheet penetrations, and skylight perimeters need flexible seals that hold up under significant thermal movement. Polyurethane's better temperature resistance compared to acrylics makes it the right call for metal surfaces that reach high temperatures under solar exposure. The adhesive properties handle gap-filling and bonding in situations where mechanical fasteners alone won't cut it.

Multi-material transitions:

Modern construction regularly creates joints between dissimilar materials — timber against steel, glass against concrete, composite panels against aluminium frames. The silane coupling agent specifically addresses these demanding interfaces by promoting chemical adhesion across material classes (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). The flexibility prevents stress concentration at stiff-to-flexible material boundaries, so joints stay intact over the long term.

Handling and Storage Requirements

Proper handling and storage protect product performance, extend shelf life, and keep the workplace running safely. The manufacturer's guidance is based directly on the formulation's chemical properties.

Storage conditions:

Store Pro Trade Joint Sealant FC in a cool, dry, well-ventilated place, away from direct sunlight (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). These conditions prevent premature cure from heat and moisture exposure and maintain formulation stability. Excess heat speeds up isocyanate reactivity, which can cause cartridge bulging or premature skinning. Direct sunlight can degrade pigments and affect colour consistency — particularly in the White variant.

Keep the product away from foodstuffs to prevent contamination and ensure it stays in designated chemical storage areas (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). The xylene content, while below hazardous classification thresholds, makes food contact inappropriate.

Store away from incompatible materials to prevent chemical reactions that could affect safety or performance (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Polyurethane formulations typically react adversely with strong oxidisers, acids, and materials that release water vapour.

Keep away from sources of heat and ignition, consistent with the product's combustible material classification (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). The organic solvent content means the product can support combustion when exposed to sufficient ignition energy and heat.

Handling precautions:

Keep containers standing upright and check regularly for spills (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Upright storage stops sealant from contacting cartridge plungers or sausage pack ends, which could cause premature extrusion or seal loss. Regular spill checks catch leaking cartridges before they create larger contamination issues.

Keep containers closed when not in use (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). This prevents atmospheric moisture from triggering premature cure at the cartridge nozzle and stops solvent evaporation from altering viscosity. For opened cartridges, fit a sealing cap or insert wire into the nozzle to exclude moisture between applications.

Avoid eye contact and repeated or prolonged skin contact, and avoid inhaling dust during handling (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). The product is non-hazardous, but these precautions reflect good industrial hygiene practice and prevent nuisance irritation from xylene vapour or uncured sealant contact.

Safety Considerations and Personal Protective Equipment

Pro Trade Joint Sealant FC is non-hazardous, but it contains active chemical components that call for specific safety practices and protective equipment — especially for professionals with repeated exposure.

Personal protective equipment:

The manufacturer recommends safety shoes, overalls, gloves, and safety glasses as baseline PPE (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). This combination provides solid protection across normal application activities.

For hand protection, nitrile rubber gloves are the right choice for intermittent contact (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Nitrile resists the xylene solvent content and prevents skin contact with uncured polyurethane, which can cause sensitisation with prolonged exposure in susceptible individuals. Glove thickness, manufacturing quality, and application duration all affect protective performance — users should assess suitability for their specific conditions (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf).

Safety glasses protect against sealant splatter during cartridge loading, pressure release events, or overhead application where material may drip. The MDI content, though below 1%, makes eye protection important — isocyanates are potent sensitisers that cause severe reactions on contact with mucous membranes (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf).

Hygiene practices:

Always wash hands before smoking, eating, drinking, or using the toilet (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). This straightforward practice prevents oral ingestion of xylene or uncured sealant residue from contaminated hands.

Wash contaminated clothing and protective equipment before storage or re-use (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Unwashed work clothing accumulates chemical residue that can cause ongoing skin exposure, defeating the purpose of wearing it in the first place. Cured sealant on clothing also creates permanent staining and fabric stiffening.

Fire safety:

When burning or decomposing, the material can emit toxic fumes (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Firefighters must wear self-contained breathing apparatus and appropriate protective clothing if at risk of exposure to combustion or decomposition products (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Polyurethane thermal decomposition generates carbon monoxide, nitrogen oxides, and potentially hydrogen cyanide — all acutely toxic respiratory hazards that demand proper respiratory protection.

First Aid and Emergency Response

Knowing the right first aid response means you can act quickly and effectively if an accidental exposure occurs. The manufacturer provides clear guidance for each exposure route.

Inhalation exposure:

If inhalation occurs, remove the affected person from the exposure area without putting yourself at risk (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Enclosed spaces with xylene vapour buildup can affect rescuers too. Remove contaminated clothing and loosen remaining clothing to ease breathing (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Allow the patient to find their most comfortable position — upright is generally best for respiratory distress — and keep them warm (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Keep at rest until fully recovered, and get medical advice if symptoms persist (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Xylene inhalation effects can include headache, dizziness, or respiratory irritation.

Skin contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Thorough water flushing removes uncured sealant before it bonds to skin or causes chemical irritation. If swelling, redness, blistering, or irritation develops, seek medical assistance (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). These symptoms can indicate a sensitivity reaction to MDI or solvent irritation that needs professional evaluation.

Eye contact:

If product contacts eyes, wash out immediately with water (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Immediate irrigation dilutes and removes sealant before corneal bonding or chemical injury can occur. Seek medical advice in all cases of eye contamination (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). The MDI content means even minimal exposure can cause delayed eye injury.

Ingestion:

If swallowed, rinse the mouth with water but do NOT induce vomiting (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Inducing vomiting risks aspirating xylene-containing material into the lungs, where it can cause chemical pneumonitis. Give a glass of water to drink, but never give anything by mouth to an unconscious patient (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). If vomiting occurs naturally, give further water to dilute stomach contents (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Always seek medical advice following any ingestion incident (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf).

Medical response:

For any poisoning emergency, contact a doctor or Poisons Information Centre: Australia 131 126, New Zealand 0800 764 766 (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Physicians should treat symptomatically (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). There is no specific antidote for polyurethane sealant exposure — medical management focuses on symptoms and preventing complications.

Spill Management

Spill response depends on the scale and location of the incident. The manufacturer distinguishes between small and large spill scenarios, with clear guidance for each.

Small spill response:

For minor spills, put on protective equipment to prevent skin and eye contact and avoid inhaling vapours (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Wipe up the material with absorbent materials such as clean rags or paper towels (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Collect contaminated absorbents and seal in properly labelled containers or drums for disposal (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Small spills — individual cartridge leaks or application drips — respond well to physical removal before the sealant cures into a bonded residue.

Large spill response:

For major spills, such as damaged pallet loads or bulk container failures, containment is the priority. Clear the area of all unprotected personnel immediately (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Spilled material becomes slippery and creates a slip hazard that needs to be addressed without delay (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf).

Response personnel must wear appropriate protective equipment to prevent skin and eye contact and inhalation (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Work upwind or increase ventilation to keep xylene vapour exposure to a minimum during cleanup (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf).

Cover the spill with damp absorbent material — inert absorbent, sand, or soil all work (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). The moisture in dampened absorbent initiates polyurethane cure, solidifying spilled material for easier collection while reducing vapour generation. Sweep or vacuum up the contaminated absorbent, avoiding dust generation (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Collect and seal waste in properly labelled containers or drums for disposal (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf).

If spills reach crops, sewers, or waterways, contact local emergency services immediately (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). This reporting requirement reflects the potential environmental impact of xylene release into aquatic systems or agricultural areas.

The product carries no Dangerous Goods Initial Emergency Response Guide number, consistent with its non-dangerous goods classification (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Emergency responders don't need specialised dangerous goods protocols, though the combustible classification and xylene content call for standard chemical spill precautions.

Expert Application Tips

Getting the most out of Pro Trade Joint Sealant FC comes down to technique — working with the fast-cure chemistry rather than against it. These field-proven practices deliver professional results

every time.

Surface preparation:

Polyurethane sealants handle slightly damp surfaces better than silicones, but strong adhesion still demands clean, sound substrates free of dust, grease, old sealant, and loose material. The silane coupling agent promotes adhesion to demanding surfaces, but no chemistry overcomes contamination (SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf). Wire brush concrete and masonry to remove laitance and expose aggregate for mechanical keying. Wipe metal substrates with solvent to remove mill oils or weathering residue before applying.

Tooling and finishing:

Fast cure compresses the working window for tooling smooth, concave joint profiles — so move with purpose. Apply tooling fluid or soapy water to finishing tools to stop sealant adhesion and achieve clean, smooth surfaces. Complete tooling within 5–10 minutes of bead application before significant skinning occurs — faster than the 15–20 minute window you get with standard polyurethanes.

Joint sizing:

For polyurethane sealants, the optimal joint depth-to-width ratio falls between 1:2 and 1:1. Deeper joints waste material without improving performance and can result in incomplete cure at the joint centre. Use closed-cell polyethylene backer rod to control joint depth, prevent three-sided adhesion that restricts movement, and reduce sealant consumption on wide joints.

Multi-cartridge projects:

When colour consistency across multiple cartridges matters on visible joints, order enough cartridges from the same production batch to complete the job. Quality control keeps colour matching tight, but subtle batch-to-batch variation becomes visible when fresh sealant cures next to an application made weeks earlier. Batch codes are printed on cartridge labels — check them before you start.

Cold weather application:

Polyurethane cure rates slow significantly below 10°C as atmospheric moisture drops and chemical reactivity decreases. In cold conditions, store cartridges in a heated space before use to bring material temperature to 15–20°C for improved flow and cure initiation. Avoid application when temperatures will fall below 5°C within 24 hours of sealing.

Equipment maintenance:

Clean application guns and nozzles with xylene or mineral spirits immediately after use — before sealant cures inside the mechanism. Once cured, polyurethane forms strong bonds to metal surfaces that resist mechanical removal. For pneumatic guns, flush with solvent between colour changes to prevent cross-contamination and keep equipment running at full performance.

References

- Source PDF: SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf (canonical)

Frequently Asked Questions

What is Selleys Pro Trade Joint Sealant FC: A fast-curing professional polyurethane sealant

What does "FC" stand for: Fast-cure

Is it suitable for professional trade use: Yes

Can it be used as both an adhesive and sealant: Yes

Who manufactures this product: Selleys, a division of DuluxGroup (Australia) Pty Ltd

Which markets is it formulated for: Australia and New Zealand

Is it classified as hazardous under Safe Work Australia GHS 7: No

Does it carry a Poison Schedule designation: No

Is it classified as Dangerous Goods under Australian transport regulations: No

What colours is it available in: Black, Grey, and White

What sizes does it come in: 310mL cartridges and 600mL sausage packs

What is the product code for White 310mL: 102116

What is the product code for White 600mL: 102119

What is the product code for Grey 310mL: 102117

What is the product code for Grey 600mL: 102120

What is the product code for Black 310mL: 102118

What is the product code for Black 600mL: 102121

What type of gun does the 310mL cartridge fit: Standard skeleton-frame caulking guns

What type of equipment is required for the 600mL sausage pack: Pneumatic bulk dispensing guns

How many linear metres does one 310mL cartridge yield at 6mm bead: Approximately 8–10 linear metres

What is the primary reactive ingredient: 4,4'-diphenylmethane diisocyanate (MDI)

What percentage of MDI does the formulation contain: Less than 1% by weight

What does MDI do in the formulation: Acts as the polyurethane crosslinker

How does MDI initiate cure: By reacting with atmospheric moisture

What is the most concentrated declared ingredient: Xylene

What percentage of xylene does the formulation contain: 1–10% by weight

What does xylene do in the formulation: Controls viscosity for smooth extrusion

Does xylene evaporate during cure: Yes

What is the silane coupling agent used: 3-(2,3-epoxypropoxy)propyltrimethoxysilane

What percentage of silane coupling agent is present: Less than 1% by weight

What does the silane coupling agent do: Builds chemical bonds between sealant and substrate

Which substrates does the silane coupling agent specifically improve adhesion to: Glass, metals, and mineral surfaces

Can it bond to slightly damp surfaces: Yes

How does fast-cure performance compare to standard polyurethane sealants: Skins significantly faster than standard formulations

What is the typical cure wait time for standard polyurethane sealants: 24–48 hours

Does cured sealant remain flexible: Yes

What type of matrix does the cured sealant form: A flexible rubber-like elastomeric matrix

Can it accommodate joint movement: Yes

What causes the solvent odour during application: Xylene evaporating as the product cures

Is ventilation recommended during application: Yes

What PPE is recommended for hand protection: Nitrile rubber gloves

Why are nitrile gloves specifically recommended: They resist the xylene solvent content

Is eye protection recommended: Yes

What eye protection is recommended: Safety glasses

What other PPE is recommended: Safety shoes and overalls

Should you wash hands before eating or smoking after use: Yes

Should contaminated clothing be washed before re-use: Yes

How should the product be stored: In a cool, dry, well-ventilated place away from direct sunlight

Should the product be stored away from food: Yes

Should containers be kept upright during storage: Yes

Should containers be kept closed when not in use: Yes

Why should containers stay closed when not in use: To prevent premature cure from atmospheric moisture

Should the product be kept away from heat and ignition sources: Yes

Can the material support combustion: Yes, it is classified as a combustible material

What toxic fumes can be emitted when burning: Carbon monoxide, nitrogen oxides, and potentially hydrogen cyanide

What respiratory protection must firefighters wear: Self-contained breathing apparatus

What is the first aid action for inhalation exposure: Remove person from exposure area immediately

Should you risk yourself when rescuing someone from inhalation exposure: No

What is the first aid action for skin contact: Remove clothing and flush skin with running water

Should you induce vomiting if the product is swallowed: No

Why should vomiting not be induced after ingestion: Risk of aspirating xylene into lungs causing chemical pneumonitis

What should be given after accidental ingestion: A glass of water to drink

What is the first aid action for eye contact: Wash eyes immediately with water

Should medical advice be sought after eye contact: Yes, in all cases

What is the Australian Poisons Information Centre number: 131 126

What is the New Zealand Poisons Information Centre number: 0800 764 766

Is there a specific antidote for polyurethane sealant exposure: No

How should small spills be cleaned up: Wipe up with absorbent materials such as clean rags

How should large spills be contained: Cover with damp absorbent material such as sand or soil

Why is damp absorbent material used for large spills: Moisture initiates cure, solidifying spilled material

What should be done if spills reach waterways or sewers: Contact local emergency services immediately

Does the product carry a Dangerous Goods Emergency Response Guide number: No

What is the optimal joint depth-to-width ratio: Between 1:2 and 1:1

What tool accessory helps control joint depth: Closed-cell polyethylene backer rod

Why should backer rod be used: To prevent three-sided adhesion and reduce sealant consumption

At what temperature does cure rate slow significantly: Below 10°C

What temperature should cartridges be brought to before cold-weather use: 15–20°C

Below what temperature should application be avoided: 5°C within 24 hours of sealing

What solvent should be used to clean application equipment: Xylene or mineral spirits

When should equipment be cleaned after use: Immediately after use, before sealant cures

Is the formulation suitable for expansion joints in concrete: Yes

Is it suitable for window and door frame perimeter sealing: Yes

Is it suitable for metal roof panel overlaps: Yes

Is the product suitable for bonding dissimilar materials: Yes

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Label Facts Summary

> **Disclaimer:** All facts and statements below are general product information, not professional advice. Consult relevant experts for specific guidance.

Verified Label Facts

Product identity - Product name: Selleys Pro Trade Joint Sealant FC - Product type: Fast-curing polyurethane sealant/adhesive - Manufacturer: Selleys, a division of DuluxGroup (Australia) Pty Ltd - Markets: Australia and New Zealand - Source document: SELLEYS_PRO_TRADE_JOINT_SEALANT_FC-AUS_GHS.pdf

Regulatory classification - Not classified as hazardous under Safe Work Australia GHS 7 criteria - No Poison Schedule designation - Not classified as Dangerous Goods under Australian transport regulations - Classified as a combustible material - No Dangerous Goods Initial Emergency Response Guide number

Available colours - Black, Grey, White

Product codes and packaging - White 310mL: Product code 102116, barcode 9300697130051 - White 600mL: Product code 102119, barcode 9300697130082 - Grey 310mL: Product code 102117, barcode 9300697130068 - Grey 600mL: Product code 102120, barcode 9300697130099 - Black 310mL: Product code 102118, barcode 9300697130075 - Black 600mL: Product code 102121, barcode 9300697130105 - 310mL format: Cartridge for standard skeleton-frame caulking guns and battery-powered dispensers - 600mL format: Sausage pack for pneumatic bulk dispensing guns

Declared ingredients - 4,4'-diphenylmethane diisocyanate (MDI): less than 1% by weight; functions as polyurethane crosslinker; cures via reaction with atmospheric moisture - Xylene: 1–10% by weight; aromatic hydrocarbon solvent; evaporates during cure - 3-(2,3-epoxypropoxy)propyltrimethoxysilane (silane coupling agent): less than 1% by weight; promotes adhesion to glass, metals, and mineral surfaces - Remainder: non-hazardous proprietary blend including polyurethane prepolymers, plasticizers, fillers, pigments, and performance modifiers; below GHS reporting thresholds

Storage instructions (from manufacturer documentation) - Store in a cool, dry, well-ventilated place away from direct sunlight - Keep away from foodstuffs - Store away from incompatible materials - Keep away from sources of heat and ignition - Keep containers standing upright - Check regularly for spills - Keep containers closed when not in use

Recommended PPE (from manufacturer documentation) - Safety shoes, overalls, nitrile rubber gloves, safety glasses - Nitrile rubber gloves specified for hand protection (intermittent contact) - Self-contained breathing apparatus required for firefighters at risk of exposure to combustion or decomposition products

Hygiene requirements (from manufacturer documentation) - Wash hands before smoking, eating, drinking, or using the toilet - Wash contaminated clothing and protective equipment before storage or re-use

First aid guidance (from manufacturer documentation) - Inhalation: Remove person from exposure area without self-risk; remove and loosen contaminated clothing; keep at rest; seek medical advice if symptoms persist - Skin contact: Remove contaminated clothing; flush skin and hair with running water; seek medical assistance if irritation develops - Eye contact: Wash eyes immediately with water; seek medical advice in all cases - Ingestion: Rinse mouth with water; do NOT induce vomiting; give a glass of water; never give anything by mouth to an unconscious person; seek medical advice - No specific antidote; treatment is symptomatic

Emergency contact numbers - Australia Poisons Information Centre: 131 126 - New Zealand Poisons Information Centre: 0800 764 766

Combustion/decomposition hazards (from manufacturer documentation) - Emits toxic fumes when burning or decomposing, including carbon monoxide, nitrogen oxides, and potentially hydrogen cyanide

Spill response (from manufacturer documentation) - Small spills: wipe up with absorbent materials (clean rags or paper towels); seal waste in labelled containers - Large spills: clear unprotected personnel; work upwind; cover with damp absorbent material (sand, soil, or inert absorbent); sweep or vacuum; seal waste in labelled containers - If spills reach crops, sewers, or waterways: contact local emergency services immediately

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General Product Claims

- Fast-cure performance delivers measurable job-site advantages over standard polyurethane sealants - Surface skinning occurs in significantly less time than standard formulations - Standard polyurethane sealants can take 24–48 hours before handling light contact or moisture exposure - Accelerated cure allows earlier exposure to rain compared to standard sealants - Polyurethane chemistry delivers better elasticity and movement accommodation than acrylic or silicone alternatives - Cured product forms a flexible rubber matrix that accommodates joint movement through temperature cycles, building settlement, and seasonal moisture changes - Elastomeric performance prevents cracking and adhesion loss that rigid sealants are prone to - Dual adhesive/sealant function opens additional application possibilities including bonding trim, flashing, and lightweight composite panels - Non-hazardous classification simplifies workplace safety documentation and reduces regulatory compliance burden - Silane coupling agent enables reliable adhesion to aluminium, PVC, timber, and coated steel frames,

even when substrates are slightly damp - Suitable for perimeter joints around window and door frames, concrete expansion joints, masonry control joints, metal roof panel overlaps, cladding penetrations, skylight perimeters, and multi-material transitions - Polyurethane offers better temperature resistance than acrylics for metal surfaces under solar exposure - Optimal joint depth-to-width ratio is between 1:2 and 1:1 - Closed-cell polyethylene backer rod recommended to control joint depth, prevent three-sided adhesion, and reduce sealant consumption - Cure rate slows significantly below 10°C - Cartridges should be warmed to 15–20°C before cold-weather use - Application should be avoided when temperatures will fall below 5°C within 24 hours - Equipment should be cleaned immediately after use with xylene or mineral spirits before sealant cures - Tooling should be completed within 5–10 minutes of bead application - Approximately 8–10 linear metres of 6mm bead yield per 310mL cartridge - 600mL sausage pack nearly doubles the capacity of a standard cartridge - Colour consistency across cartridges is best ensured by ordering from the same production batch

Related Products & Brand Context

Pro Trade Joint Sealant FC - Fast Curing is manufactured by Selleys, an Australian adhesives and sealants brand whose product range spans construction sealants, gap fillers, adhesives, and surface preparation products. Within the Selleys catalogue, this product sits under the construction sealants line — specifically in the polyurethane sealant segment — and is positioned for trade and professional users who need a reliable, fast-turnaround joint seal for building and construction work. The "Pro Trade" naming signals that it targets tradespeople rather than general DIY buyers, distinguishing it from entry-level sealant options in the broader Selleys range.

Within the category of **Home & Garden > Adhesives & Sealants**, the FC variant is differentiated from standard polyurethane sealants by its accelerated cure profile: it reaches a tack-free surface in around 40 minutes and cures through at a rate of at least 3 mm per 24 hours. This places it in a faster-setting tier than conventional polyurethane products, which typically require longer open times before a project can progress. The product is available in White, Grey, and Black, allowing it to blend with common substrate finishes in both interior and exterior applications.

Anyone using this sealant on a construction or renovation project is likely to need a few complementary items that fall into adjacent categories. A standard caulking or sealant gun is required to dispense the cartridge-format product accurately, particularly on trafficable horizontal joints where a consistent bead is important. Surface preparation — cleaning and drying substrates, and in some cases applying a primer — is also typically needed before polyurethane sealants are applied to porous or low-adhesion surfaces. Once the sealant has fully cured, it is paintable, so finishing coats or masonry paints may follow as a downstream step in the same workflow.

The graph context does not identify specific sibling products by name within the Selleys Pro Trade Joint Sealant range beyond this FC formulation, so no additional named variants can be confirmed here.