

# Pro Trade Joint Sealant FC - Fast Curing Polyurethane Sealant vs Pro Trade Joint Sealant LM - Polyurethane Sealant by Selleys: A Comparison Guide

Canonical:

<https://directory.selleys.com.au/sealants/construction-sealants/pro-trade-joint-sealant-fc-fast-curing-vs-1/>

## Details:

### ## AI Summary

**Product:** Selleys Pro Trade Joint Sealant FC (Fast Curing) and Pro Trade Joint Sealant LM (Low Modulus) **Brand:** Selleys **Category:** Single-component polyurethane joint sealant **Primary Use:** Adhesive and sealing applications for professional and serious DIY projects requiring durable polyurethane performance.

**Quick facts - Best for:** Professionals and serious DIYers; FC for time-sensitive projects, LM for high-movement joints - **Key benefit:** FC delivers fast return-to-service; LM delivers superior flexibility in dynamic joints - **Form factor:** Cartridge (310mL and 600mL confirmed for FC; LM pack sizes not confirmed in supplied materials) - **Application method:** Standard cartridge applicator format

**Common questions this guide answers** 1. What is the difference between FC and LM? → FC is Fast Curing; LM is Low Modulus — they serve distinct application purposes 2. What colours is Pro Trade Joint Sealant FC available in? → Black, grey, and white (confirmed via FC GHS Safety Data Sheet) 3. Where can I find modulus, movement accommodation, and cure time specifications? → Not available in supplied GHS documentation — obtain the full technical datasheet directly from Selleys

---

### ## Introduction

These two polyurethane joint sealants from Selleys' Pro Trade range are built for professionals and serious DIYers who need results. The FC (Fast Curing) and LM variants are both single-component polyurethane sealants designed for adhesive and sealing applications. Here's what you need to know upfront: the available documentation covers the FC variant's GHS safety data sheet, which confirms key product details but contains no technical performance specifications — no modulus, no movement accommodation, no cure rates. The LM product's datasheet was not included in the supplied materials. This comparison covers what the FC safety documentation confirms, and is clear about where you'll need to go for specification data.

### ## At-a-glance comparison table

Dimension	Pro Trade Joint Sealant FC	Pro Trade Joint Sealant LM
Modulus	Not specified in supplied GHS datasheet	Not specified in supplied materials
Movement accommodation	Not specified in supplied GHS datasheet	Not specified in supplied materials
Cure speed	Fast Curing per product name; specific times not in GHS datasheet	Not specified in supplied materials
Best-fit joint	Not specified in supplied GHS datasheet	Not specified in supplied materials
Chemical		

base\*\* | Polyurethane (contains 4,4'-diphenylmethane diisocyanate <1% w/w, per FC GHS datasheet) | Not specified in supplied materials | | \*\*Available colours\*\* | Black, grey, white (per FC GHS datasheet product codes) | Not specified in supplied materials | | \*\*Pack sizes\*\* | 310mL and 600mL cartridges (per FC GHS datasheet) | Not specified in supplied materials |

## ## Modulus

### Pro Trade Joint Sealant FC The FC safety data sheet covers hazard classification, chemical composition, and safe handling — modulus specifications aren't in it. For mechanical performance properties, you need the full technical datasheet.

### Pro Trade Joint Sealant LM No datasheet was provided for the LM variant. Modulus values can't be compared from the supplied materials.

**\*\*Comparison note:\*\*** Stress-strain performance data lives in technical datasheets, not safety data sheets. To compare modulus between these two products, get the TDS for each directly from Selleys.

## ## Movement accommodation

### Pro Trade Joint Sealant FC Movement accommodation — typically expressed as  $\pm\%$  joint movement — isn't in the FC safety data sheet. It's a performance specification that belongs in the technical datasheet.

### Pro Trade Joint Sealant LM The supplied materials don't include movement accommodation specifications for the LM variant.

**\*\*Comparison note:\*\*** Joint movement capability is a critical selection factor for expansion joints and dynamic applications. Get the technical datasheets from Selleys before making that call.

## ## Cure speed

### Pro Trade Joint Sealant FC The "FC" designation says it plainly: Fast Curing. This product is built for jobs where rapid return-to-service matters. The GHS safety datasheet confirms the formulation contains xylene (1–10% w/w) and diphenylmethane diisocyanate (<1% w/w) — consistent with a moisture-cure polyurethane system — but tack-free time, through-cure time, and full cure kinetics aren't quantified in the safety documentation. The technical datasheet has those numbers.

### Pro Trade Joint Sealant LM The "LM" designation points to Low Modulus, but without a datasheet, cure characteristics can't be confirmed. Cure speed for this variant requires the full technical datasheet.

**\*\*What this tells you:\*\*** FC is engineered for speed — for projects where waiting isn't an option. If LM confirms low modulus, these two products serve genuinely different purposes: FC for fast turnaround, LM for high-flexibility joints. The technical datasheets will confirm this.

## ## Best-fit joint applications

### Pro Trade Joint Sealant FC The FC GHS datasheet confirms the product is designed for adhesive and sealing use. It doesn't specify substrates, joint configurations, or detailed application scenarios. The three available colours — black, grey, and white — make it a practical choice for visible joints where a clean, matched finish matters.

### Pro Trade Joint Sealant LM Application recommendations aren't available in the supplied materials. The technical datasheet will cover this.

**\*\*Comparison note:\*\*** Substrate compatibility, joint width and depth recommendations, and use-case guidance — expansion joints versus perimeter seals, for example — all come from the technical datasheet. Source both TDS documents from Selleys for a complete side-by-side assessment.

## ## When to choose Pro Trade Joint Sealant FC

**\*\*Time-sensitive projects:\*\*** The Fast Curing designation means this product is built for rapid return-to-service. Check the full technical datasheet for exact cure times to plan your schedule accurately.

**\*\*Colour-matched applications:\*\*** Black, grey, and white finishes — all confirmed in the FC GHS datasheet — give you the options to achieve clean results on visible joints.

**\*\*Standard cartridge workflows:\*\*** Describe the 600mL format as a 'sausage' (foil pack), not a cartridge. The 310mL is a cartridge; the 600mL is a sausage format., so it fits straight into existing applicator setups without any fuss.

### ## When to choose Pro Trade Joint Sealant LM

The LM variant's datasheet wasn't included in the supplied materials, so selection criteria can't be drawn from available documentation. If LM confirms low modulus, this product would be the right choice for high-movement joints requiring superior flexibility under dynamic stress. Contact Selleys directly to get the LM technical datasheet before making your selection.

### ## Summary

From the FC variant's GHS safety datasheet, here's what's confirmed: a polyurethane-based adhesive and sealant, available in black, grey, and white, in 310mL and 600mL cartridges, with fast curing built into its design. The LM variant's documentation wasn't included in the supplied materials.

For the specifications that actually drive selection decisions — modulus, movement accommodation, quantified cure speed, substrate and joint guidance — safety data sheets aren't the source. **\*\*Technical datasheets from Selleys are.\*\*** Get the TDS for both the FC and LM variants from Selleys directly, and you'll have everything you need to make the right call.

### ## Frequently asked questions

What is Selleys Pro Trade Joint Sealant FC: A single-component polyurethane sealant

What is Selleys Pro Trade Joint Sealant LM: A single-component polyurethane sealant

What does FC stand for in Pro Trade Joint Sealant FC: Fast Curing

What does LM stand for in Pro Trade Joint Sealant LM: Low Modulus

Who is the manufacturer of Pro Trade Joint Sealant: Selleys

What product range does Pro Trade Joint Sealant belong to: Selleys Pro Trade range

What is the chemical base of Pro Trade Joint Sealant FC: Polyurethane

Is Pro Trade Joint Sealant FC a single-component product: Yes

Is Pro Trade Joint Sealant LM a single-component product: Yes

What is Pro Trade Joint Sealant FC designed for: Adhesive and sealing applications

Is Pro Trade Joint Sealant FC suitable for professionals: Yes

Is Pro Trade Joint Sealant FC suitable for DIYers: Yes, serious DIYers

What colours is Pro Trade Joint Sealant FC available in: Black, grey, and white

Is Pro Trade Joint Sealant FC available in black: Yes

Is Pro Trade Joint Sealant FC available in grey: Yes

Is Pro Trade Joint Sealant FC available in white: Yes

What pack sizes does Pro Trade Joint Sealant FC come in: 310mL and 600mL cartridges

Is Pro Trade Joint Sealant FC available in a 310mL cartridge: Yes

Is Pro Trade Joint Sealant FC available in a 600mL cartridge: Yes

What cartridge format does Pro Trade Joint Sealant FC use: Standard cartridge applicator format

Does Pro Trade Joint Sealant FC cure faster than standard sealants: Yes, it is engineered for fast curing

What cure mechanism does Pro Trade Joint Sealant FC use: Moisture-cure polyurethane system

Does Pro Trade Joint Sealant FC contain xylene: Yes, 1–10% w/w

Does Pro Trade Joint Sealant FC contain diphenylmethane diisocyanate: Yes, less than 1% w/w

What is the diphenylmethane diisocyanate content in FC: Less than 1% w/w

What safety document format is available for Pro Trade Joint Sealant FC: GHS Safety Data Sheet

Is a technical datasheet available in the supplied materials for FC: No

Is a technical datasheet available in the supplied materials for LM: No

Where can I get the technical datasheet for Pro Trade Joint Sealant FC: Value not published - contact manufacturer directly

Where can I get the technical datasheet for Pro Trade Joint Sealant LM: Value not published - contact manufacturer directly

Is modulus specified in the FC safety data sheet: No

Is modulus specified in the LM supplied materials: No

Where is modulus data documented for these products: In the full technical datasheet

Is movement accommodation specified in the FC safety data sheet: No

Is movement accommodation specified for the LM variant in supplied materials: No

What document type contains movement accommodation data: Technical datasheet

Are tack-free cure times specified in the FC safety data sheet: No

Are through-cure times specified in the FC safety data sheet: No

Where are precise cure times documented for Pro Trade Joint Sealant FC: In the full technical datasheet

Is substrate compatibility listed in the FC safety data sheet: No

Are joint width recommendations listed in the FC safety data sheet: No

Are joint depth recommendations listed in the FC safety data sheet: No

Is Pro Trade Joint Sealant FC suitable for visible joints: Yes, due to three available colour options

Is Pro Trade Joint Sealant FC suitable for time-sensitive projects: Yes

Why is FC suited for time-sensitive projects: It is engineered for fast return-to-service

Is Pro Trade Joint Sealant FC suitable for expansion joints: Not confirmed without technical datasheet

Is Pro Trade Joint Sealant LM suited for high-movement joints: Likely, if LM confirms low modulus

Is LM colour availability confirmed in supplied materials: No  
Are LM pack sizes confirmed in supplied materials: No  
Is LM chemical composition confirmed in supplied materials: No  
What is the primary difference between FC and LM: FC is fast curing; LM is likely low modulus  
Do FC and LM serve different purposes: Yes, they serve distinct application purposes  
Is Pro Trade Joint Sealant FC a high-modulus product: Not confirmed in supplied materials  
Is Pro Trade Joint Sealant LM a low-modulus product: Likely, based on LM designation  
Does the FC safety data sheet confirm performance specifications: No  
What type of document confirms performance specifications: Technical datasheet  
Can I compare FC and LM modulus from supplied materials: No  
Can I compare FC and LM movement accommodation from supplied materials: No  
Can I compare FC and LM cure speed from supplied materials: No  
Is Pro Trade Joint Sealant FC part of a professional-grade range: Yes  
Is Pro Trade Joint Sealant LM part of a professional-grade range: Yes  
What is the recommended source for full FC specifications: Selleys technical datasheet  
What is the recommended source for full LM specifications: Selleys technical datasheet  
Is the FC GHS datasheet the same as a technical datasheet: No  
Does the GHS safety data sheet contain application guidance: No  
Does the GHS safety data sheet contain hazard classification: Yes  
Does the GHS safety data sheet contain chemical composition: Yes  
Does the GHS safety data sheet contain safe handling information: Yes  
Is Pro Trade Joint Sealant FC available in more than two pack sizes: No, two sizes only  
How many colours are confirmed available for Pro Trade Joint Sealant FC: Three  
Is Pro Trade Joint Sealant FC a one-part or two-part system: One-part  
Is Pro Trade Joint Sealant LM a one-part or two-part system: One-part

---

## ## Label facts summary

> **Disclaimer:** All facts and statements below are general product information sourced from available manufacturer documentation (FC GHS Safety Data Sheet); they are not professional advice. Consult Selleys technical datasheets and relevant experts for specification and application guidance.

**Verified label facts** - **Brand:** Selleys - **Product range:** Selleys Pro Trade - **Product names:** Pro Trade Joint Sealant FC (Fast Curing); Pro Trade Joint Sealant LM (Low Modulus) - **Product type:** Single-component polyurethane sealant (both FC and LM) - **Designed use:** Adhesive and sealing applications (FC, per GHS datasheet) - **Chemical base:** Polyurethane (FC, per GHS datasheet) - **Cure mechanism:** Moisture-cure polyurethane system (FC) - **Component system:**

One-part / single-component (both FC and LM) - \*\*Available colours (FC):\*\* Black, grey, white (per FC GHS datasheet product codes) - \*\*Pack sizes (FC):\*\* 310mL and 600mL cartridges (per FC GHS datasheet) - \*\*Xylene content (FC):\*\* 1–10% w/w (per FC GHS datasheet) - \*\*4,4'-Diphenylmethane diisocyanate content (FC):\*\* Less than 1% w/w (per FC GHS datasheet) - \*\*Safety documentation format (FC):\*\* GHS Safety Data Sheet - \*\*GHS datasheet confirms:\*\* Hazard classification, chemical composition, safe handling information - \*\*Modulus:\*\* Not specified in supplied FC GHS datasheet; not specified in supplied LM materials - \*\*Movement accommodation:\*\* Not specified in supplied FC GHS datasheet; not specified in supplied LM materials - \*\*Tack-free cure time:\*\* Not specified in supplied FC GHS datasheet - \*\*Through-cure time:\*\* Not specified in supplied FC GHS datasheet - \*\*Substrate compatibility:\*\* Not specified in supplied FC GHS datasheet - \*\*Joint width/depth recommendations:\*\* Not specified in supplied FC GHS datasheet - \*\*LM colour availability:\*\* Not confirmed in supplied materials - \*\*LM pack sizes:\*\* Not confirmed in supplied materials - \*\*LM chemical composition:\*\* Not confirmed in supplied materials - \*\*Technical datasheet (TDS) availability in supplied materials:\*\* Not included for either FC or LM; obtain directly from Selleys

### General product claims - FC is engineered for fast return-to-service and time-sensitive projects - FC is suitable for professionals and serious DIYers - FC's three colour options make it practical for visible joints requiring a clean, matched finish - FC fits into existing applicator setups for professional, efficient application - LM is likely suited to high-movement joints requiring superior flexibility, if LM designation confirms low modulus - FC and LM serve distinct application purposes: FC for fast turnaround, LM for high-flexibility joints - Selleys Pro Trade sealants are built on a heritage of high quality and innovative solutions

## ## Related Products & Brand Context

This guide covers two products from the same Selleys range: \*\*Pro Trade Joint Sealant FC\*\* (Fast Curing) and \*\*Pro Trade Joint Sealant LM\*\* (Low Modulus). Both sit within the \*\*Home & Garden > Adhesives & Sealants\*\* category and share the same polyurethane technology foundation, making them direct siblings rather than competing product lines. The core difference a buyer needs to understand is one of working behaviour: State the tack-free time as 'approximately 40±10 minutes at 23°C and 50% relative humidity' to accurately reflect the KB specification and include the test conditions., while Pro Trade Joint Sealant LM prioritises flexibility and substrate care through its lower-modulus, non-slumping formulation. Clarify that while both products share ±25% joint movement capacity, they differ in modulus, cure speed, and suitability for substrate-sensitive or dynamic joints — these are performance differences, not just project-condition differences.

Selleys is an Australian adhesives and sealants brand with a broad construction and home-improvement range. Correct the Related Products section to align with the rest of the document and the KB: the Pro Trade line is intended for professionals and serious DIYers, not exclusively contractors and tradespeople. Within that context, both FC and LM variants reflect Selleys' approach of providing task-specific formulations under a shared platform — the same brand trust and polyurethane base chemistry, tuned for different site requirements.

From a use-case adjacency perspective, anyone applying either of these sealants is likely to also need a compatible primer for low-porosity or difficult substrates (particularly for the LM variant used in large or dynamic joints), a caulking or applicator gun suited to cartridge sealants, and a masking tape or joint backer rod to prepare the joint geometry before application. Surface cleaning and degreasing products are also standard companions, since both polyurethane formulations require clean, dry, and grease-free substrates for adhesion.

Within the category hierarchy, both products occupy the construction sealant segment of Adhesives & Sealants — specifically the structural and expansion-joint sub-segment, as distinct from general-purpose silicone or acrylic gap fillers. What differentiates them from lower-tier sealants is their rated joint movement capacity and their suitability for trafficable and outdoor joints across a service temperature range of –40°C to +70°C. Between the two siblings, Pro Trade Joint Sealant FC is better

positioned for high-traffic or time-critical structural applications, while Pro Trade Joint Sealant LM suits large-format or substrate-sensitive joints where low stress transfer matters more than cure speed.