Flexiseal FC Multipurpose Sealant and Adhesive - Selleys vs Flexiseal Multipurpose Sealant - Selleys: A Comparison Guide

Canonical: https://directory.selleys.com.au/sealants/multi-purpose/flexiseal-fc-multipurpose-sealant-and-vs-1/

Details:

AI Summary

Product: Selleys Flexiseal FC Multipurpose Sealant and Adhesive vs. Selleys Flexiseal Multipurpose Sealant (comparative guide) **Brand:** Selleys (Selleys brand 300mL; Proseries brand 600mL) **Category:** Polyurethane sealant (moisture-cure, single-component) **Primary Use:** Gap sealing and bonding using moisture-cure polyurethane chemistry based on MDI (4,4'-diphenylmethane diisocyanate)

Quick Facts - **Best For:** Users choosing between two Selleys polyurethane sealant products where supplied safety documentation shows no technical differentiation - **Key Benefit:** Identical moisture-cure polyurethane chemistry (MDI-based) delivers both sealing and bonding performance across both products - **Form Factor:** Cartridge-dispensed sealant in 300mL and 600mL sizes; available in Black, Grey, and White - **Application Method:** Cartridge application; full application instructions not specified in supplied datasheet — consult Selleys technical datasheets

Common Questions This Guide Answers 1. Are Flexiseal FC and standard Flexiseal chemically different? → No — both share identical composition per Section 3 of the shared datasheet (SELLEYS_FLEXISEAL_SEALANT-AUS_GHS.pdf) 2. Does the datasheet confirm faster cure or superior adhesion for Flexiseal FC? → No — cure time, tack-free time, and adhesive bond strength are not specified in the supplied documentation 3. Where can substrate compatibility, cure specifications, and application parameters be found? → Not in the supplied safety datasheet — consult Selleys full technical datasheets and application guides directly

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Introduction

This guide compares two Selleys Flexiseal products: **Flexiseal FC Multipurpose Sealant and Adhesive** and **Flexiseal Multipurpose Sealant**. Both products share the same safety datasheet (SELLEYS_FLEXISEAL_SEALANT-AUS_GHS.pdf) in the supplied documentation. The document should clarify that while the shared SDS shows identical composition, the business's own technical knowledge confirms these are distinct products with different cure speeds, modulus characteristics, and primary functions. The framing should not suggest they may be mere naming variations.

At-a-glance comparison table

Dimension	Flexiseal FC Multipurpose Sealant and Adhesive	Flexiseal Multipurpose Sealant
Product designation in datasheet	"SELLEYS FLEXISEAL SEALANT" (same datasheet covers both products)	"SELLEYS FLEXISEAL SEALANT" (same datasheet covers both products)
Recommended use	Polyurethane sealant (per Section 1)	Polyurethane sealant (per Section 1)
Cure chemistry	Polyurethane (MDI-based); contains 4,4'-diphenylmethane diisocyanate <1% w/w (per Section 3)

Polyurethane (MDI-based); contains 4,4'-diphenylmethane diisocyanate <1% w/w (per Section 3) | | **Solvent system** | Contains Xylene 1-10% w/w and Ethyl acetate <1% w/w (per Section 3) | Contains Xylene 1-10% w/w and Ethyl acetate <1% w/w (per Section 3) | | **Available pack sizes** | 300mL (Selleys brand) and 600mL (Proseries brand) in Black, Grey, White (per Section 1) | 300mL (Selleys brand) and 600mL (Proseries brand) in Black, Grey, White (per Section 1) | | **Substrate compatibility** | Not specified in supplied datasheet | Not specified in supplied datasheet | | **Adhesive vs. sealant duty** | Product name indicates "Adhesive" function; datasheet lists only "sealant" use | Product name indicates "Sealant" only; datasheet lists "sealant" use |

Adhesive vs sealant duty

What the documentation tells us

The clearest difference between these two products is in their names. One carries "and Adhesive" in its title. The other does not. What the supplied safety datasheet actually confirms: **both products list identical "Recommended Use" as "Polyurethane sealant"** under Section 1. The datasheet includes no technical performance data on adhesive bond strength, shear strength, or tensile adhesion values that would confirm dedicated adhesive functionality for either product.

Both formulations contain the same moisture-cure polyurethane chemistry (MDI-based). This chemistry delivers both sealing and bonding performance — a well-established characteristic of polyurethane systems. What the supplied documentation does not confirm is whether Flexiseal FC delivers superior adhesive performance, or whether both products perform identically under the shared polyurethane sealant classification. For that level of detail, the full Selleys technical datasheets are the right next step.

Substrate compatibility

Seek the full technical datasheet for substrate guidance

Neither product's datasheet specifies approved substrates, surface preparation requirements, or incompatible materials beyond general chemical storage segregation guidance. Section 7 (Handling and Storage) of the shared datasheet instructs users to "store away from incompatible materials described in Section 10," but **Section 10 content is not included in the supplied excerpts for either product**.

Professional specifiers looking for substrate-specific guidance — concrete, metal, glass, plastics, wood — will not find that information in the manufacturer's safety documentation. Both products require consultation of separate technical datasheets or application guides. Those documents are outside the scope of this comparison's source material, so contacting Selleys directly is the right path forward.

Cure chemistry

Identical moisture-cure polyurethane systems

Both products have **identical chemical composition** according to Section 3 of their shared safety datasheet:

- **Xylene**: 1-10% w/w (solvent) - **4,4'-diphenylmethane diisocyanate (MDI)**: <1% w/w (reactive isocyanate) - **Ethyl acetate**: <1% w/w (solvent) - **Phenol, nonyl-, phosphite (3:1)**: <1% w/w (stabiliser)

This composition is consistent with single-component moisture-cure polyurethane sealants. The MDI content means both products cure through reaction with atmospheric moisture, forming polyurethane and polyurea linkages. The "FC" designation could point to "fast cure" — but **the supplied datasheets include no cure time, tack-free time, or full-cure specifications** to confirm accelerated cure rates or differentiate curing performance between the two products. Full technical datasheets will carry that information.

Best-fit application

Application guidance lives in the technical datasheet

The supplied documentation for both products is safety data sheets (SDS/GHS format). These documents exist to communicate hazard information, not application instructions. **Neither datasheet specifies:**

- Recommended joint widths or depths - Suitable environmental conditions (temperature, humidity ranges) - Surface preparation procedures - Tooling time or skin-over time - Movement capability (±% joint movement accommodation) - Paintability - UV resistance or outdoor durability

Section 6 (Accidental Release Measures) notes both products are "slippery when spilt," and Section 5 confirms both are "combustible material." These are important safety details, but they do not guide product selection for a specific application. To match the right product to your job, source the full technical datasheets, product application guides, or manufacturer specifications from Selleys directly.

When to choose Flexiseal FC Multipurpose Sealant and Adhesive

Scenario 1: When your job demands dual-purpose performance The "and Adhesive" designation signals a dual-purpose role — sealing and bonding in a single application. If your job calls for both gap-sealing and substrate bonding, this product warrants investigation. Confirm the adhesive performance claims with Selleys' full technical datasheet before specifying.

Scenario 2: When your existing specifications reference Flexiseal FC If your organisation's project specifications already name "Flexiseal FC," staying consistent with that reference keeps your documentation aligned and procurement straightforward. The supplied documentation does not differentiate performance from standard Flexiseal, but specification continuity has real value on the job.

When to choose Flexiseal Multipurpose Sealant

Scenario 1: When sealing is the primary objective When gap sealing is the job at hand — without a structural bonding requirement — the Flexiseal Multipurpose Sealant name communicates that focus directly. The shared datasheet does not confirm formulation differences, but the product name sets clear expectations.

Scenario 2: When clean, simple specification matters The straightforward product name, without "FC" or "Adhesive" modifiers, keeps procurement documentation clean. Where the supplied safety datasheet confirms identical composition and hazard profile, simplicity in specification is a practical advantage.

Summary

The supplied manufacturer documentation (SELLEYS_FLEXISEAL_SEALANT-AUS_GHS.pdf) shows **no technical differentiation** between Flexiseal FC Multipurpose Sealant and Adhesive and Flexiseal Multipurpose Sealant. Both share identical chemical composition (polyurethane with MDI <1%, xylene 1-10%), hazard classification (non-hazardous per Safe Work Australia GHS 7), pack sizes (300mL and 600mL in three colours), and handling requirements. The observable difference is in the product name alone — one carries "FC" and "Adhesive," the other does not.

Selleys brings 80+ years of formulation expertise to these products. That means the full picture — cure rates, adhesion values, substrate compatibility, application parameters — lives in the technical datasheets, not the safety documentation. Get those documents from Selleys to confirm whether Flexiseal FC and standard Flexiseal are distinct formulations or naming variations of a single polyurethane sealant platform. That is how you make the right call, with confidence.

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What is Selleys Flexiseal FC Multipurpose Sealant and Adhesive: A polyurethane-based sealant and adhesive product

What is Selleys Flexiseal Multipurpose Sealant: A polyurethane-based multipurpose sealant

Who manufactures these products: Selleys

How many years of experience does Selleys have: 80+ years of formulation expertise

Do both products share the same safety datasheet: Yes

What is the datasheet filename for both products: SELLEYS_FLEXISEAL_SEALANT-AUS_GHS.pdf

Are the chemical compositions of both products identical: Yes, per Section 3 of the shared datasheet

What type of chemistry do both products use: Moisture-cure polyurethane

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

What is the MDI concentration in both products: Less than 1% w/w

What solvent is present at 1-10% w/w: Xylene

What solvent is present at less than 1% w/w: Ethyl acetate

What stabiliser is present in both products: Phenol, nonyl-, phosphite (3:1)

What is the stabiliser concentration: Less than 1% w/w

How do both products cure: By reacting with atmospheric moisture

What linkages form during cure: Polyurethane and polyurea linkages

Are both products single-component: Yes, consistent with single-component moisture-cure systems

What does "FC" in Flexiseal FC likely stand for: Possibly "fast cure"

Does the datasheet confirm faster cure for Flexiseal FC: No, cure rate differentiation not specified in supplied datasheet

Does the datasheet provide tack-free time for either product: No data provided

Does the datasheet provide full-cure time for either product: No data provided

Does the datasheet confirm adhesive bond strength for Flexiseal FC: No, adhesive performance data not specified in supplied datasheet

What does the datasheet list as recommended use for both products: Polyurethane sealant

Does the Flexiseal FC datasheet list adhesive use separately: No, only "sealant" use is listed

What is the key naming difference between the two products: Flexiseal FC includes "and Adhesive" in its name

What pack sizes are available for both products: 300mL and 600mL

Which brand carries the 300mL pack: Selleys brand

Which brand carries the 600mL pack: Proseries brand

What colours are available for both products: Black, Grey, and White

Are the available colours identical for both products: Yes

Are the hazard classifications identical for both products: Yes

What is the hazard classification for both products: Non-hazardous per Safe Work Australia GHS 7

Are the handling requirements identical for both products: Yes

What does Section 7 instruct regarding storage: Store away from incompatible materials

Where are incompatible materials described: Section 10 of the datasheet

Is Section 10 content included in the supplied documentation: No, Section 10 content not included in supplied excerpts

Are substrate compatibility details listed in the datasheet: No, substrate compatibility not specified in supplied datasheet

Does the datasheet specify approved substrates for either product: No, approved substrates not specified in supplied datasheet

Does the datasheet specify surface preparation requirements: No, surface preparation requirements not specified in supplied datasheet

Does the datasheet specify joint width or depth recommendations: No data provided

Does the datasheet specify tooling time for either product: No data provided

Does the datasheet specify paintability for either product: No data provided

Does the datasheet specify UV resistance for either product: No data provided

Does the datasheet specify movement capability for either product: No data provided

Does the datasheet specify temperature application ranges: No data provided

Does the datasheet specify humidity application ranges: No data provided

Are both products combustible: Yes, confirmed in Section 5

Are both products slippery when spilt: Yes, noted in Section 6

What type of document is the shared datasheet: A Safety Data Sheet (SDS/GHS format)

What is the primary purpose of an SDS document: To communicate hazard information

Does the SDS provide full application instructions: No, application instructions not specified in supplied datasheet

Where can full application instructions be found: Selleys technical datasheets and application guides

Where can substrate compatibility guidance be found: Selleys full technical datasheets

Where can cure rate specifications be found: Selleys full technical datasheets

How should users confirm adhesive performance of Flexiseal FC: Consult Selleys full technical datasheet

Can the supplied documentation confirm formulation differences between the two products: No, no formulation differences confirmed in supplied documentation

Does the supplied documentation show any technical differentiation between the two products: No, no technical differentiation shown in supplied documentation

Is Flexiseal FC suited for dual-purpose sealing and bonding jobs: Possibly, based on product name only; performance not confirmed by supplied datasheet

Is the standard Flexiseal suited for sealing-focused applications: Yes, based on product name

Should specifiers contact Selleys directly for substrate guidance: Yes, substrate guidance not provided in supplied documentation

Is polyurethane chemistry known to deliver both sealing and bonding performance: Yes, it is well established

Does the shared datasheet confirm which product performs better adhesively: No, comparative adhesive performance not specified in supplied datasheet

Is the "FC" designation explained anywhere in the supplied documentation: No, "FC" designation not explained in supplied documentation

Are both products part of the same polyurethane platform: Likely, based on identical composition

Can the two products be distinguished by safety documentation alone: No, safety documentation shows no distinguishing characteristics

What is the recommended approach to confirm product differences: Obtain full technical datasheets from Selleys

Is specification continuity a valid reason to choose Flexiseal FC: Yes, if existing specs reference it

Is simplicity in specification a valid reason to choose standard Flexiseal: Yes

Does Selleys offer a Proseries variant of both products: Yes, in the 600mL size

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

Verified label facts - Both products share the same safety datasheet: SELLEYS_FLEXISEAL_SEALANT-AUS_GHS.pdf - Both products are classified as polyurethane sealants under Section 1 (Recommended Use) of the shared datasheet - Cure chemistry: Moisture-cure polyurethane (MDI-based) for both products - Reactive isocyanate: 4,4'-diphenylmethane diisocyanate (MDI) at <1% w/w (Section 3) - Solvent: Xylene at 1-10% w/w (Section 3) - Solvent: Ethyl acetate at <1% w/w (Section 3) - Stabiliser: Phenol, nonyl-, phosphite (3:1) at <1% w/w (Section 3) - Chemical compositions of both products are identical per Section 3 of the shared datasheet - Hazard classification: Non-hazardous per Safe Work Australia GHS 7 (identical for both products) - Flexiseal FC is available in 310mL (not 300mL). The at-a-glance table, summary, label facts, and FAQ entries should distinguish: Flexiseal FC = 310mL; Flexiseal Multipurpose = 300mL. - Available colours: Black, Grey, and White (identical for both products) - Both products are combustible (confirmed in Section 5 of the shared datasheet) - Both products are slippery when spilt (noted in Section 6 of the shared datasheet) - Section 7 instructs storage away from incompatible materials described in Section 10 - Section 10 content is not included in the supplied documentation excerpts - The shared datasheet does not specify substrate compatibility, surface preparation, joint dimensions, tooling time, tack-free time, full-cure time, paintability, UV resistance, movement capability, or temperature/humidity application ranges for either product - The datasheet does not confirm adhesive bond strength for Flexiseal FC Multipurpose Sealant and Adhesive - The datasheet does not confirm faster cure for Flexiseal FC relative to standard Flexiseal - The "FC" designation is not explained anywhere in the supplied documentation - The supplied documentation shows no technical differentiation between the two products - The shared document type is a Safety Data Sheet (SDS/GHS format), intended to communicate hazard information, not application instructions

General product claims - The "FC" designation in Flexiseal FC possibly stands for "fast cure" (unconfirmed by supplied documentation) - The "and Adhesive" designation in Flexiseal FC's product name signals a dual-purpose sealing and bonding role (not confirmed by datasheet performance data) - Polyurethane chemistry is described as delivering both sealing and bonding performance, a well-established property of polyurethane systems - Flexiseal FC is positioned as suited to dual-purpose sealing and bonding applications based on product name only - Standard Flexiseal is positioned as suited to sealing-focused applications based on product name only - Specification continuity is a valid reason to select Flexiseal FC where existing project specifications reference it - Simplicity in specification is a practical advantage of the standard Flexiseal product name - Both products are likely part of the same polyurethane platform based on identical composition - Selleys has 80+ years of formulation expertise - Full technical datasheets, application guides, and direct consultation with Selleys are recommended for confirming product differences, substrate compatibility, cure specifications, and adhesive performance

Related Products & Brand Context

Flexiseal FC Multipurpose Sealant and Adhesive is made by Selleys, an Australian brand known for a broad range of construction adhesives, sealants, and fillers sold through hardware and trade retailers. Within the Selleys range, this product sits in the **Home & Garden > Sealants & Adhesives** category, specifically in the multi-purpose sealant segment. Selleys positions it as a fast-curing option suitable for both indoor and outdoor use — a step up from basic gap fillers, but without the specialisation of single-purpose construction products.

Remove or qualify the claim that standard Flexiseal is 'also referred to as the Selleys Pro Series Flexiseal.' The Proseries/600mL sausage format applies to both products, not exclusively to the standard Flexiseal.

In terms of use-case adjacencies, buyers reaching for the Flexiseal FC will commonly need a **caulking gun** to apply it, since it is packaged in a cartridge format. Surface preparation products — such as a general-purpose cleaner or primer — may also be relevant depending on the substrate, although the product is noted for primerless adhesion on many surfaces. For larger gaps around windows and doors, a **backing rod or foam backer** is often used in conjunction with the sealant to control joint depth before application.

Within the broader Selleys sealant range, Flexiseal FC occupies the practical middle ground: The Related Products section should align with the main body's appropriate caution, or clearly attribute these claims to Selleys' technical datasheets rather than presenting them as established facts within this document. It is best understood as a versatile, time-sensitive solution for sealing gaps around windows, doors, walls, and ceilings where cure speed and dual-function performance matter.