

Product Warning

Magento 2 Extension — Activation, Configuration & Storefront Guide

Per-product and per-category coloured warning banners on the product detail page. Flag remote keys as unprogrammed, replacement cases as needing PCB transfer, blank blades as un-cut — or any custom notice you need to stop returns and confused buyers.

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1. Introduction

ETechFlow Product Warning is a Magento 2 extension that adds per-product and per-category coloured warning banners on the storefront product detail page (PDP). Admin users create banners ("This key ships unprogrammed", "Repair case only — no PCB", "Blank un-cut blade — requires cutting") and assign them to specific products or whole categories. The storefront auto-renders them above the price on every matching product — no theme override required.

This guide walks through the full activation flow (Stripe subscription, license gate, key activation) and every admin + storefront feature of the module.

Theme-agnostic by design

Works on Luma, Hyvä, Mage-OS, Adobe Commerce, and any custom theme. The banner block auto-injects into the standard `product.info.main` container present in every theme.

2. What the Module Does

Core capabilities:

- **Per-product banners** — Assign one or more warnings directly to a specific SKU.
- **Per-category banners** — Assign a warning to a category and every product in it (including products added later) instantly inherits the banner.
- **Multiple banners stack** — If a product matches several warnings, they all render in a vertical stack above the price, ordered by sort order.
- **Custom hex colour** — Pick the banner colour from a hex selector. Red for caution, orange for info, blue for neutral — or any custom value.
- **Active / inactive toggle** — Disable a warning without deleting it. Useful for seasonal notices.
- **Sort order** — Control which banner appears at the top when multiple match a product.
- **Theme-agnostic CSS** — Scoped `.epw-*` class namespace, zero theme variables, zero JavaScript. Banner is fully server-rendered HTML.
- **Subscription licensing** — Stripe-managed monthly subscription, in-admin self-checkout, automatic key activation, portal-validated server-IP enforcement.

3. Installation

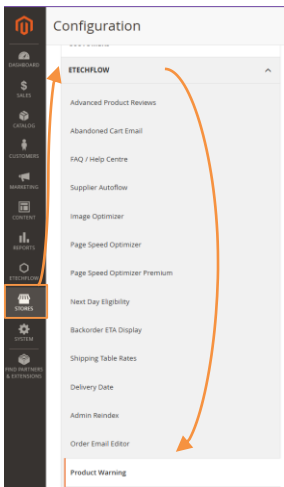
Install via Composer:

```
composer require etechflow/module-product-warning
bin/magento module:enable ETechFlow_ProductWarning
bin/magento setup:upgrade
bin/magento setup:di:compile
bin/magento cache:flush
```

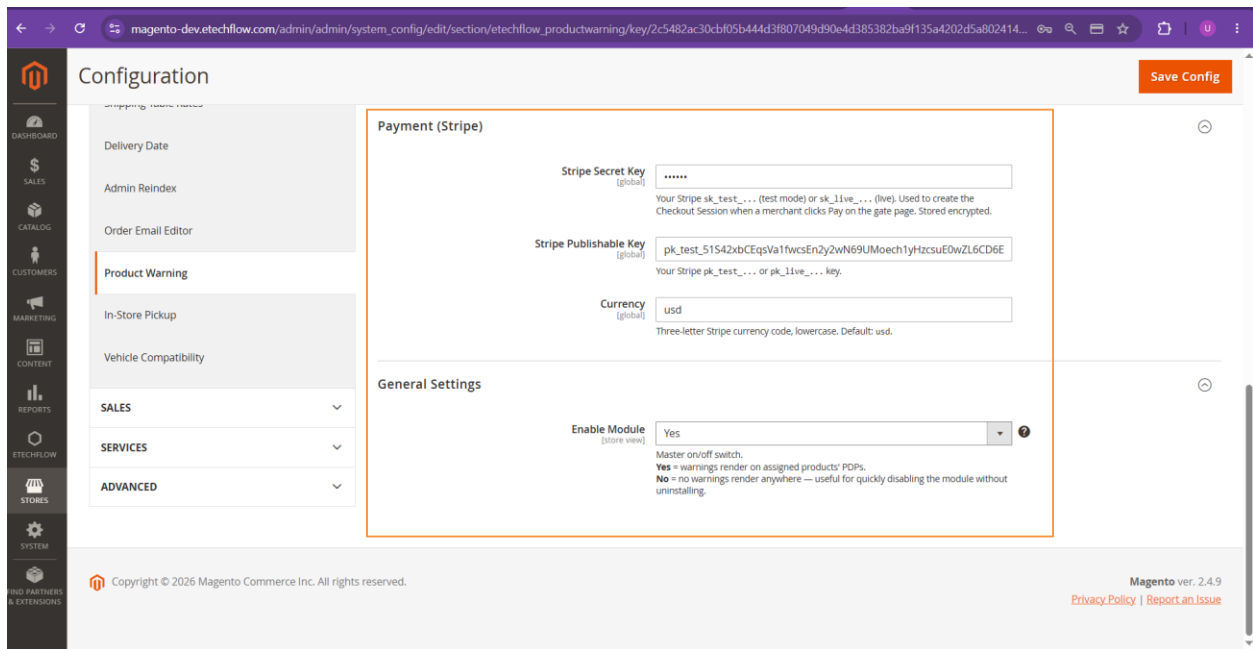
After installation, the module is locked by default on production hosts (the License Required gate page appears on the admin grid). Either paste an existing SP-XXXX subscription key, HMAC per-module key, or bundle key — or purchase a new subscription through Stripe.

4. Module Configuration in Magento Admin

All configuration lives under Stores → Configuration → ETECHFLOW → Product Warning. The section is organised into four groups: Module Status (top banner), License, Payment (Stripe), and General Settings.



Stores → Configuration → ETECHFLOW → Product Warning



— sidebar + Payment (Stripe) group

5. Payment (Stripe) and General Settings

Payment fields capture the Stripe credentials used by the in-admin checkout flow when a merchant clicks Pay on the gate page. They are NOT used for any other purpose — the module does not handle storefront payments.

Payment (Stripe)

Stripe Secret Key [global]
 Your Stripe sk_test_... (test mode) or sk_live_... (live). Used to create the Checkout Session when a merchant clicks Pay on the gate page. Stored encrypted.

Stripe Publishable Key [global]
 Your Stripe pk_test_... or pk_live_... key.

Currency [global]
 Three-letter Stripe currency code, lowercase. Default: usd.

Payment (Stripe) — secret key (encrypted), publishable key, currency

- **Stripe Secret Key** — Your sk_test_... (test mode) or sk_live_... (live). Stored encrypted (Magento\Config\Backend\Encrypted backend model).
- **Stripe Publishable Key** — Your pk_test_... or pk_live_... key.
- **Currency** — Three-letter currency code, lowercase. Default: usd.

Encrypted storage

The secret key never appears in plaintext in core_config_data. The Activated controller decrypts it via Magento\Encryption\EncryptorInterface before sending to Stripe.

6. License Section — Locked State

When the module is not yet licensed (or the license is invalid for the current host), the License group at the top of the configuration shows a red "License key invalid" banner. The module silently stops rendering warnings on the storefront.

Configuration

Licence key invalid for this host
 A licence key has been entered, but the portal rejected it for host magento-dev.etchflow.com. The module is silently disabled. Common causes: server IP removed from the portal subscription, wrong key, site moved domains (email support for a new key, key suspended, or stray whitespace in the field).

License

Production Environment [global]

Yes = this is your live site. The module checks the licence key against the current domain. If invalid, the module silently disables itself.
 No = this is dev/staging. The module runs at full features without a licence — use this on non-standard dev domains the auto-detector misses.
 Default: Yes.

License Key [global]

Paste the SP-XXXX key from your purchase email, or a per-module HMAC key, or a shared eTechFlow bundle key. Bound to the domain you provided at checkout. Auto-bypassed for development hosts. www. prefix is normalised.

Bundle License Key [global]

Shared key across ALL eTechFlow modules. If you purchased the eTechFlow Bundle, paste it here once and every installed eTechFlow module activates. Stored encrypted.

License Portal URL [global]

The eTechFlow portal endpoint that validates SP-XXXX subscription keys. Default: https://subpanel-paralyses-president.ngrok-free.dev/license/validate. Change only if eTechFlow notifies you of a new portal URL.

Last Issued Key (auto-managed) [global]

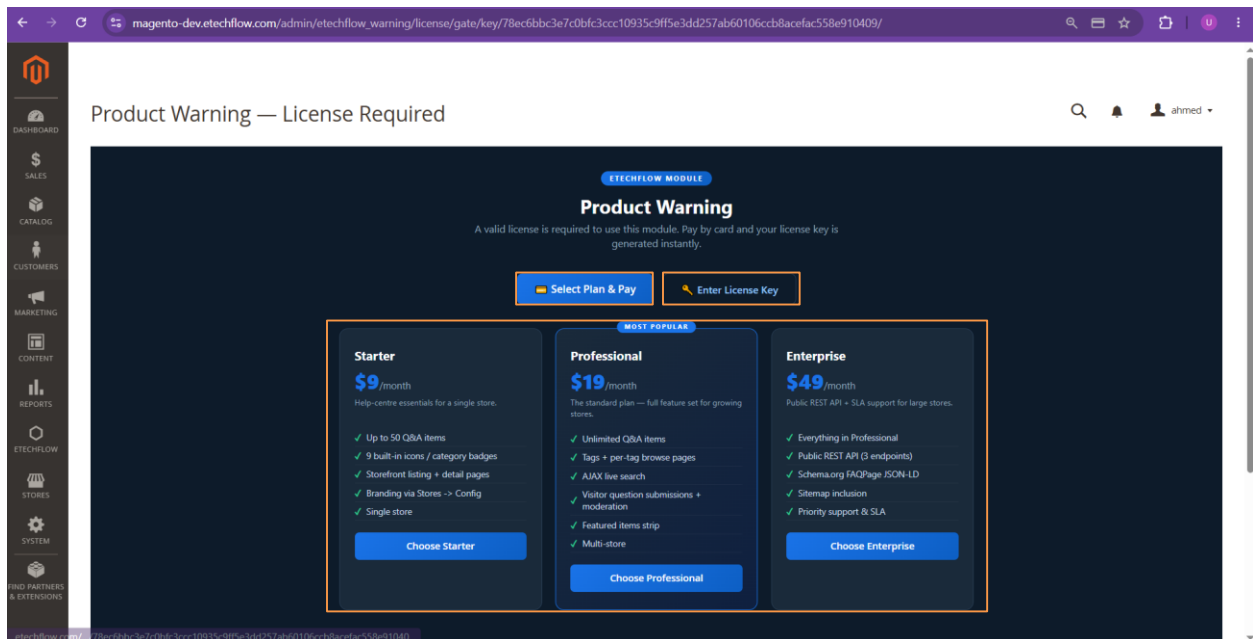
Stores → Configuration → ETECHFLOW → Product Warning — License section in locked state

Fields in the License group:

- **Production Environment** — Yes = live site (license is enforced). No = dev/staging (license bypassed).
- **License Key** — Paste an SP-XXXX subscription key from your purchase email, an HMAC per-module key, or a shared eTechFlow bundle key.
- **Bundle License Key** — Shared key activates ALL eTechFlow modules at once. Stored encrypted.
- **License Portal URL** — The eTechFlow portal endpoint that validates SP-XXXX keys.
- **Last Issued Key** — Read-only audit field. Used by the module to auto-restore the licence after an IP-block lift.

7. The License-Required Gate Page

Trying to open Catalog → Inventory Warning → Manage Warnings without an active license redirects to the License Required gate. The gate shows the 3 subscription tiers and an "Enter License Key" shortcut for existing keys.



License Required gate page — three plan cards (Starter / Professional / Enterprise) + Enter License Key option

Three plan tiers:

- **Starter** — **\$9/mo** — Up to 25 Q&A items, single store, email support (72h response).
- **Professional** — **\$19/mo** — Unlimited warnings, per-category assignment, multi-store, multi-banner stacking with sort order, email support (24h).
- **Enterprise** — **\$49/mo** — Everything + WarningResolver PHP API for custom render locations (listings, cart, emails), priority support + SLA.

8. Plan Selection and Customer Details

Clicking "Choose Starter" (or Professional / Enterprise) reveals a name + email form. Submitting it builds a Stripe Checkout Session via direct cURL to the Stripe API and redirects the browser to Stripe's hosted checkout.

Module Activated! — your SP-XXXX key is auto-saved, with a Copy Key button and a quick-link to the warnings grid

Auto-saved license

The Activated controller writes the SP-XXXX key directly to `etchflow_productwarning/license/license_key` in `core_config_data` and flushes the config cache. You do NOT need to paste the key anywhere — it's already saved.

11. Configuration After Activation

After activation, returning to Stores → Configuration → ETECHFLOW → Product Warning shows a green "Module is active" banner at the top of the License section, and the License Key field is populated with the SP-XXXX key. From this point onward, all admin menu entries under Catalog → Inventory Warning are accessible without redirect to the gate.

What changes after activation:

- **License banner** — Switches from red "License key invalid for this host" to green "Module is active".
- **License Key field** — Auto-populated with the SP-XXXX key (e.g. SP-4F6E-18D2-E67A-448D).
- **Last Issued Key** — Auto-set to the same SP-XXXX value so the IP-block restore logic can recover the key automatically.
- **Admin grid** — Catalog → Inventory Warning → Manage Warnings loads the grid directly (no more redirect to the gate).
- **Storefront** — Every PDP that has matching warnings starts rendering the coloured banner above the price.

12. Product Warnings Admin Grid

Catalog → Inventory Warning → Manage Warnings lists every warning in the system. The grid shows: ID, Name (admin-only label), Message (the customer-facing banner text), Color (hex swatch), Status (Active / Inactive), Sort Order, Created date, and an Action column.

Product Warnings

[Add New Warning](#)

Inventory Warnings — quick guide
Warnings are coloured banners shown on the product detail page. Use them to flag products that need extra info — "Unprogrammed Remote", "Repair Case Only", "Un-cut Blade", etc.

- **Add New Warning** — click the button (top right) to create a warning with name, message, colour, and assign it to categories or specific products.
- **Edit row** — change wording, colour, or update which categories/products it applies to.
- **Delete row** — removes the warning everywhere instantly (with confirmation).
- **Status column** — switch a warning off without deleting it (inactive = hidden from customers, kept in admin).
- **Cascading rule** — assigning a warning to a parent category applies it to every product in that whole tree, including products added later. To narrow, pick a deeper subcategory — the parent is automatically dropped on save.

1 records found

ID	Name	Message	Color	Status	Sort Order	Created	Action
5	test blue	test blue product	■ #C41818	Active	101	jun 5, 2026 6:13:15 PM	Select

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An inline "Warnings — quick guide" info card at the top of the page explains every column and operation, so new admins don't need external documentation to get started.

13. Creating a New Warning — General Section

Clicking the orange Add New Warning button opens a blank form. The General panel collects Name, Message, Color, Active, and Sort Order. A yellow help box at the top explains how each field is used.

← Back Save Warning

General

How warnings work

1. **Name** — your internal label (admins only see this, not customers).
2. **Message** — the text shown to customers on the product page banner.
3. **Color** — the banner background tint. Red for caution, orange for info, blue for neutral.
4. **Sort Order** — when multiple warnings apply to the same product, lower numbers appear higher.
5. Under **Apply To** below, pick a category (and optionally narrower sub-levels or specific products). The warning will appear on every matching product instantly, including products added later to those categories.

Name * ?
Internal label for this warning (e.g. "Unprogrammed Remote Notice").

Message * ?
The text customers see on the product page.

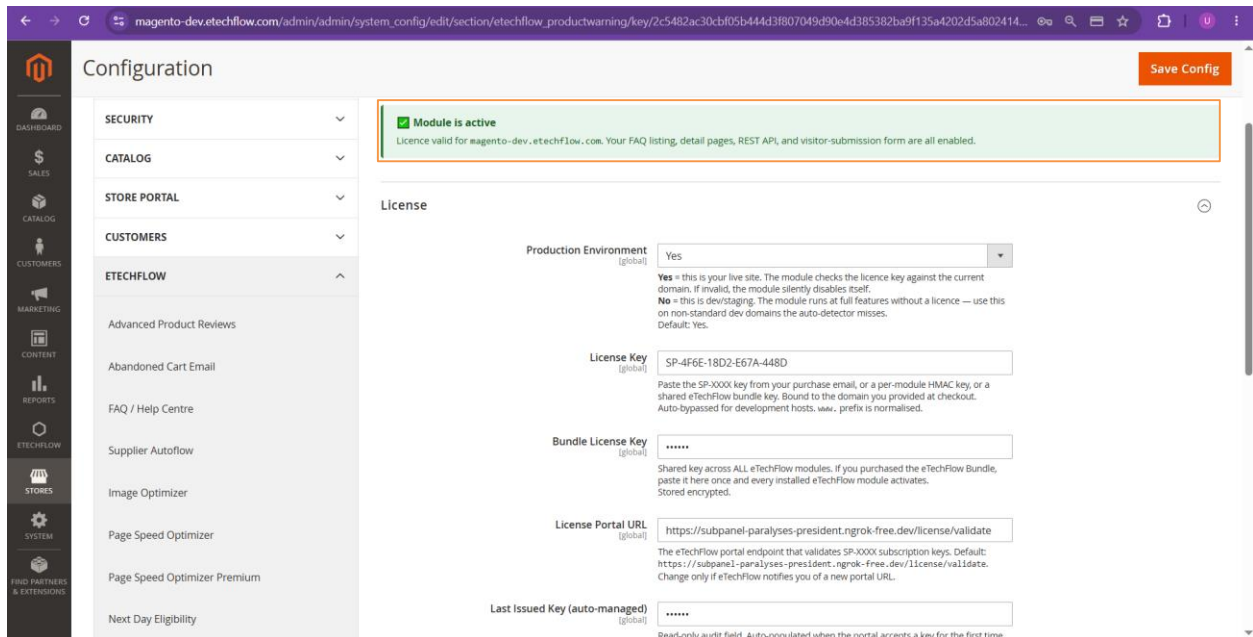
Color Red (#C41818) ?
Banner color shown on the frontend.

Active Yes ?

Sort Order ?
Lower numbers appear first when multiple warnings are shown on a product. Recommended values: 10, 20, 30, 40 — leave gaps so you can insert new warnings later without renumbering.

Add New Warning — blank General form with inline How warnings work guide

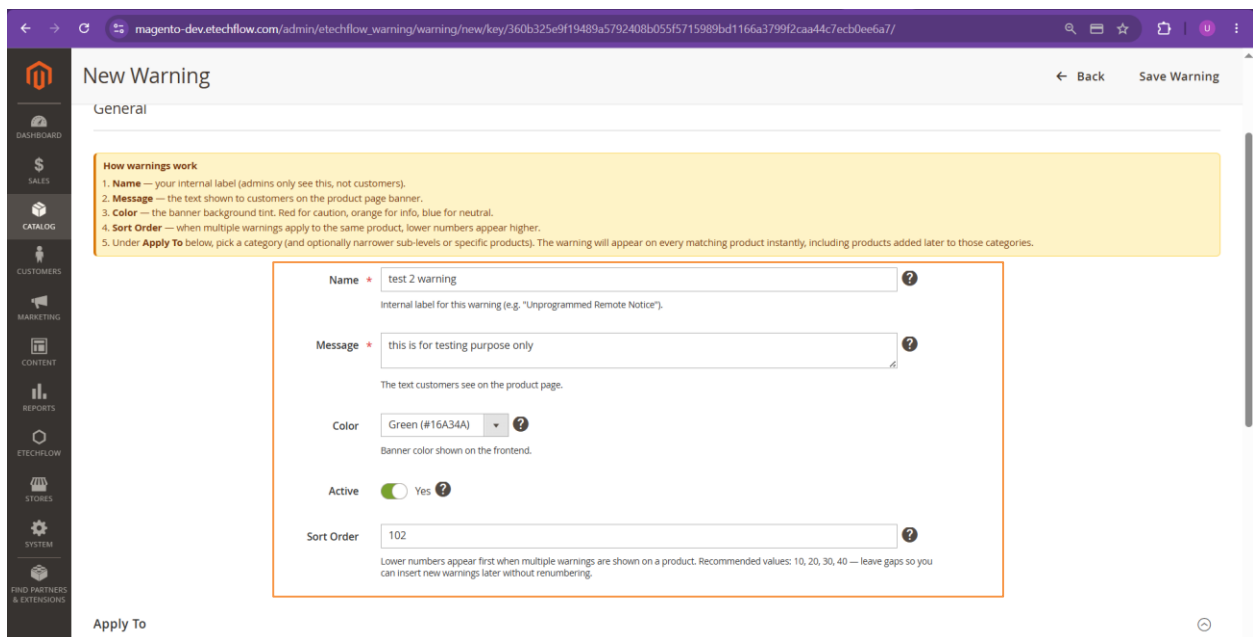
- **Name** — Your internal label. Admins only see this, not customers. Example: "Unprogrammed Remote Notice".
- **Message** — The text customers see on the product page banner. Plain text.
- **Color** — Pick from preset colours (Red / Orange / Blue / Green / Purple) or paste a custom hex value.
- **Active** — Yes = visible on the storefront. No = hidden but kept in the grid.
- **Sort Order** — Lower numbers appear higher when multiple warnings apply. Use 10/20/30 with gaps so you can insert new warnings without renumbering.



New Warning — "test 2 warning" with green colour + sort 102, ready to save

14. New Warning — Apply To Section

Below the General fields, the Apply To panel binds the warning to specific catalog scope. You can pick a top-level category, narrow it with subcategories, or pin the warning to individual products by SKU or name.



New Warning — Apply To panel with Category / Subcategory / Specific Products selectors

- **Category** — Pick a top-level category. The warning applies to every product in it AND every subcategory.
- **Subcategories** — Optional narrower scope. Pick a deeper level to restrict the warning to only that branch — Magento auto-drops the parent on save.

- **Specific Products** — Pin the warning to a single SKU or product name. Useful when only one item in a category needs the notice.

Cascading rule

Assigning a warning to a parent category applies it to every product in that whole tree, including products added later. To narrow, pick a deeper subcategory — the parent is automatically dropped on save.

15. Editing an Existing Warning

Click any row in the grid to open the Edit Warning form. Every field is pre-populated; change what you need and click Save Warning. Edits are live immediately after a Magento cache flush — the banner appears / updates on every matching PDP without any code change.

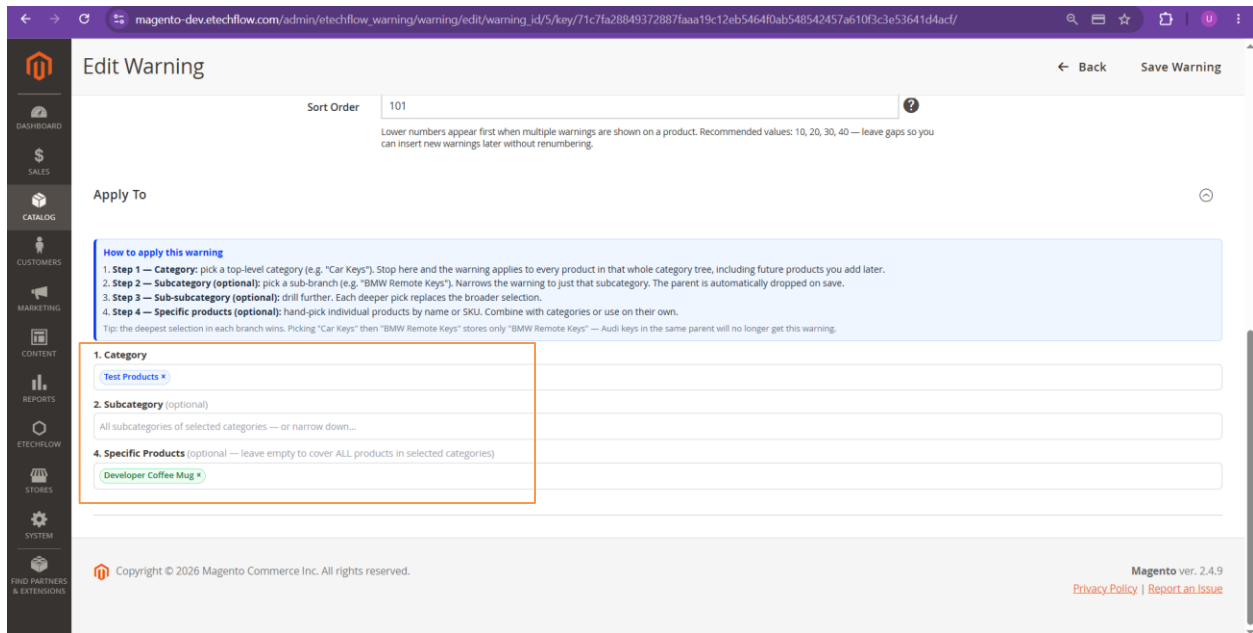
The screenshot shows the 'Edit Warning' form in a Magento admin interface. The form is pre-populated with the following values:

- Name:** test blue (Internal label for this warning (e.g. "Unprogrammed Remote Notice").)
- Message:** test blue product (The text customers see on the product page.)
- Color:** Red (#C41818) (Banner color shown on the frontend.)
- Active:** Yes (checked)
- Sort Order:** 101 (Lower numbers appear first when multiple warnings are shown on a product. Recommended values: 10, 20, 30, 40 — leave gaps so you can insert new warnings later without renumbering.)

A yellow box titled 'How warnings work' provides the following instructions:

1. **Name** — your internal label (admins only see this, not customers).
2. **Message** — the text shown to customers on the product page banner.
3. **Color** — the banner background tint. Red for caution, orange for info, blue for neutral.
4. **Sort Order** — when multiple warnings apply to the same product, lower numbers appear higher.
5. Under **Apply To** below, pick a category (and optionally narrower sub-levels or specific products). The warning will appear on every matching product instantly, including products added later to those categories.

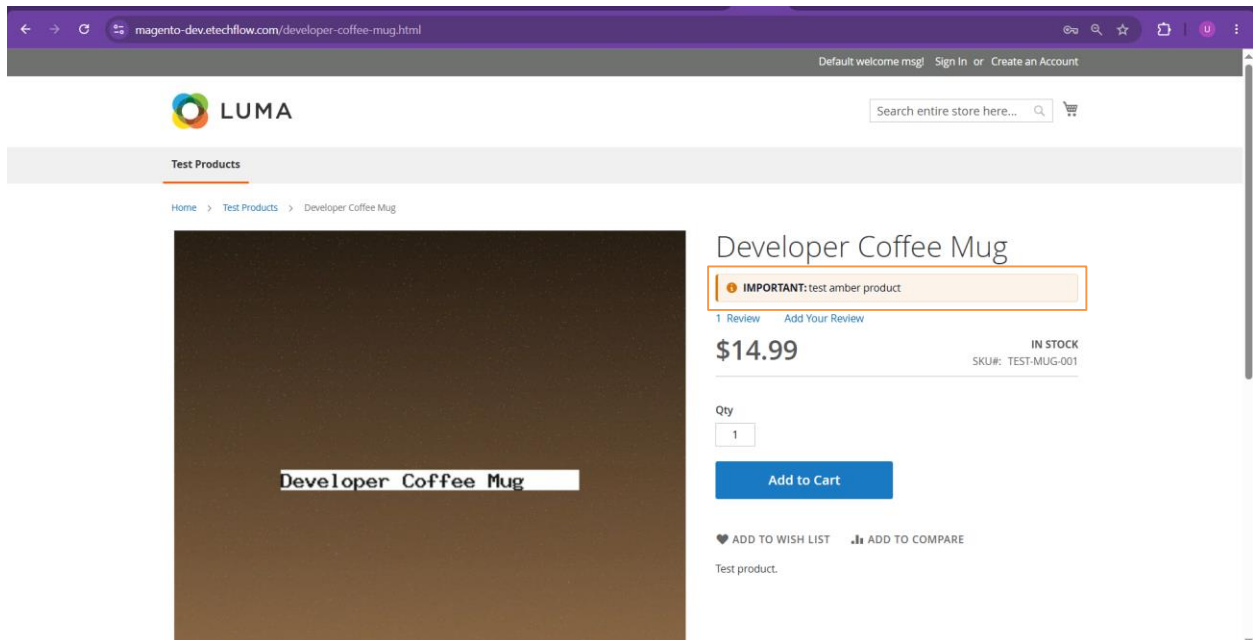
Edit Warning — "test blue" pre-populated, Red colour selected, Sort Order = 101



Edit Warning — Apply To section showing currently bound category + specific product

16. Storefront — Single Banner on PDP

On the storefront product detail page, an active warning bound to that product renders as a coloured banner above the price. The banner shows the message text prefixed by an info-circle icon, with the configured hex colour as the left border + tinted background.



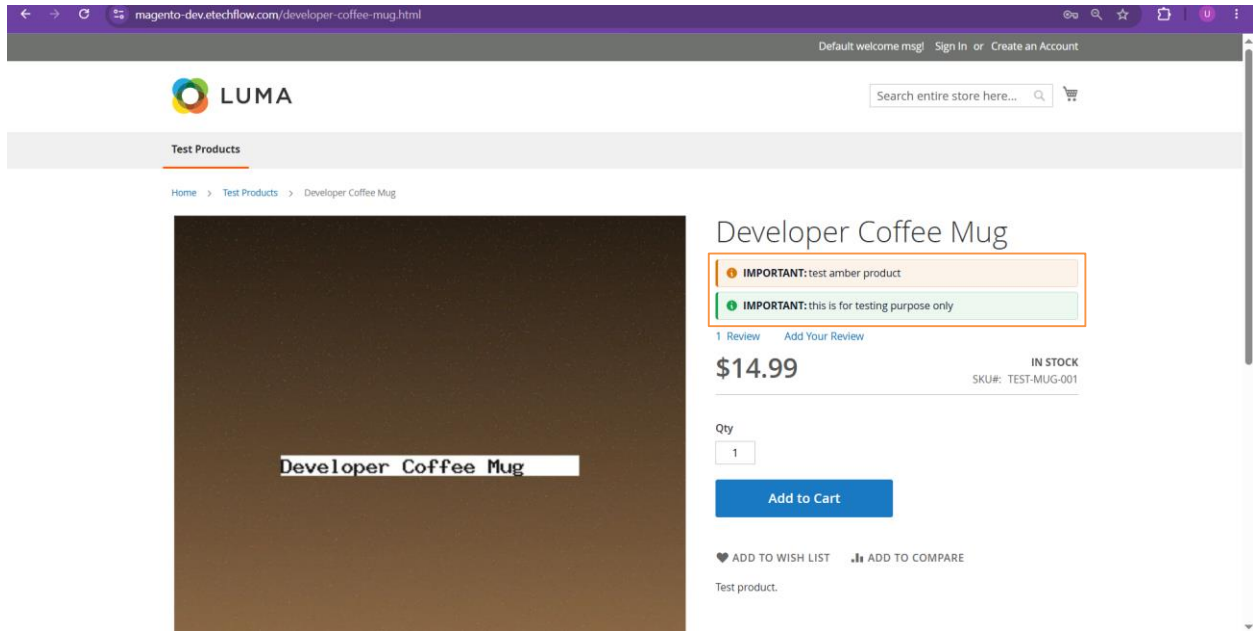
Developer Coffee Mug PDP — single orange "IMPORTANT" banner above the price

Auto-injected — no theme override needed

The banner block is registered against the standard `product.info.main` container present in Luma, Hyvä, and every custom theme. There is no need to copy any template or layout XML into your theme.

17. Storefront — Multiple Banners Stacked

When several warnings match the same product (via category membership or direct product assignment), all of them render in a vertical stack above the price. The stack order is controlled by each warning's Sort Order — lower number = higher in the stack.



Developer Coffee Mug PDP — TWO banners stacked above the price (sort order 50 above sort order 100)

Each banner is independently coloured. Duplicates (same warning matching via both direct product link AND category link) render only once — the resolver query uses DISTINCT to deduplicate by warning_id.

18. Subscription Plans

Plan	Price	Features	Support
Starter	\$9/mo	PDP warning banners, up to 25 warnings, per-product assignment, 1 store	Email — 72h
Professional	\$19/mo	Unlimited warnings, per-category assignment, multi-store, multi-banner stacking with sort order	Email — 24h
Enterprise	\$49/mo	Everything + WarningResolver PHP API for custom render locations (listings, cart, emails), priority support + SLA	Priority + SLA

19. Domain & License Enforcement

Active SP-XXXX subscriptions are validated against the eTechFlow portal on every page that renders a banner. The portal checks: subscription is active, the calling domain matches the domain on file, and the calling server IP is in the subscription's allowed-IP list.

- **Domain mismatch** — Module locks within ~60 seconds. To switch domains, contact support.
- **IP block** — Portal returns `ip_blocked:true` → module clears the license key + sets `ip_blocked` flag. When the IP is restored, the key auto-recovers from the `issued_key` audit field.
- **Portal unreachable** — 48-hour offline grace period using a locally-issued key, then the module locks until the portal is reachable again.
- **Manual key clear** — Clearing the License Key field via admin keeps the module locked. The auto-restore only fires when `ip_blocked=1`, so manual clears stay manual.
- **Dev hosts** — `localhost`, `*.test`, `*.local`, `*.dev`, `staging.*`, `*.ngrok-free.dev`, and similar patterns auto-bypass licensing.
- **Production toggle** — Production Environment = No disables licensing entirely. Use on non-standard dev domains the auto-detector misses.

Cache TTLs

Portal validation results are cached for 60 seconds (both valid AND reject results), so admin IP-list changes propagate within one minute. Portal-unreachable results are NOT cached — the module retries on the next request.

20. Support & Contact

If you hit a problem, gather: Magento version, PHP version, active theme name, steps to reproduce, a browser dev-tools screenshot of the PDP with the banner DOM inspected, and the contents of `var/log/exception.log` around the time of the issue.

Channels:

- **Email** — support@etechflow.com (Starter: 72h, Professional: 24h, Enterprise: priority + SLA)
- **Website** — <https://etechflow.com>
- **Module repository** — <https://github.com/etechflow/module-product-warning>
- **Packagist** — <https://packagist.org/packages/etechflow/module-product-warning>

— End of Guide —