

Product Information

APX 400 (New Emulsion)

ISO 400 photo-film for black and white prints

Introduction

AgfaPhoto APX 400 is a fast speed black and white photo camera Film suitable for a wide range of indoor and outdoor applications in photography. Being rated at ISO 400, APX 400 is particularly suitable for action photography and available light situations.

Available Format

APX 400 Film is available in 35mm format with 36 exposures only.

Features

- ✓ High speed film, rated at ISO 400/27°
- ✓ Suitable for a wide range of general purpose photography
- ✓ Fine grain
- ✓ Good sharpness
- ✓ Broad tonal range with good contrast
- ✓ Broad exposure latitude
- ✓ Can be pushed up to ISO 800/30°
- ✓ Compatible with a good variety of developers

Storage

We advise unprocessed films to be stored in a cool dry place - and when possible (prior to and after exposure) in its original packaging. Advisable temperatures between 10-20°C / 50-68°F.

We advise storing processed negatives in a cool dry place in the dark, and in suitable sleeves. Advised temperatures of between 10-20°C / 50-68°F.

Exposure

APX 400 has a speed rating of ISO 400 / 27° (400ASA, 27DIN, EI 400/27°) to daylight. Although it is possible to rate the film at 320/26° and 800/30°, the film performs at its optimum when rated at ISO 400 .

When rated at any other suggested ISO ratings, quality does diminish in terms of grain and sharpness. If alternative speed settings to ISO 400 are to be used, it is advisable that tests with adapted times will be carried out first to ensure that these alternative speeds are suitable.

Once a film is exposed, we advise to have it processed as

soon as practical. However, images on exposed but unprocessed films will not degrade for several months provided they are stored as we advise in cool and dry conditions.

Filter Factors

APX 400 can be used with all standard types of filters (colour, polarising and neutral density filters). It is advised that the filter manufacturer's instructions are followed in terms of any exposure compensation factors needed.

Processing / Agitation

APX 400 Film is suitable for processing in most types of processing equipment – including spiral tanks, rotary processors, dishes/trays, deep tanks and automatic processors.

A wide range of developers are suitable for use. A variety of Developer choices and their guide process times / temperatures and dilutions are shown in the table below.

Development Times

The table below gives our advised 'guide' times for both manual and machine processing AgfaPhoto APX 400 Film.

These times are deemed appropriate for generating negatives of average contrast, and enable good printing in most enlargers.

Since they are intended as a 'guide' only, they may require slight adjustments to enable them to closer match what a user requires.

All quoted 'guide' times are based on intermittent agitation in standard tanks at 20° (first minute with permanent agitation, afterwards agitate every 30 seconds). If continuous agitation is to be given, we advise reducing these times by up to 15%. Also, for rotary processors (without a pre-rinse), it is likely that these times need to be reduced by up to 15%. Note, we do not advise pre-rinsing – as it can lead to uneven processing.

| Developer | | Dilution | Development Times (Minutes) | Notes |
|---------------|------------------|----------|-----------------------------|-------------------------|
| ADOX | Adonal (Rodinal) | 1 + 25 | 11:30 | Recommended: EI 320/26° |
| | | 1 + 50 | 21:00 | |
| | Atomal | Stock | 10:30 | Recommended: EI 320/26° |
| | | 1 + 2 | 25:00 | |
| ILFORD | ID-11 | Stock | 9:30 | Recommended: EI 320/26° |
| | | 1 + 1 | 16:30 | |
| | | 1 + 3 | 25:30 | |
| | Microphen | Stock | 8:00 | |
| | | 1 + 1 | 15:00 | |
| | Perceptol | 1 + 1 | 23:00 | |
| KODAK | D-76 | Stock | 9:30 | |
| | | 1 + 1 | 14:00 | |
| | | 1 + 3 | 28:00 | |
| | | | | |
| SPUR | HRX | 1 + 17 | 15:00 | Recommended: EI 320/20° |
| | ACUROL-N | 1 + 50 | 12:00 | Recommended: EI 320/20° |
| | UFP | 1 + 20 | 11:30 | Recommended: EI 400/20° |

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