

#### USING END RUN PRINT BRIGHTENING CONVERTER

END RUN Print Brightening Converter *working solution* changes the invisible ultra-violet (UV) light reflected from a prints surface into visible white light, increasing the total visible reflectance and brilliance of the prints whites without bleaching.

The same brightening agent is manufactured into some printing papers, but can be lost during processing and washing. END RUN Print Brightening Converter adds to or replaces these built in brighteners after the final wash.

Print brightening can increase the archival permanence of prints by shielding them from UV light, which might otherwise cause image and paper deterioration. Print brightening will make some warm tone papers such as Agfa Portriga™ appear cooler in color.

#### HOW TO MIX

END RUN Print Brightening Converter should be used as an additive to SPRINT's END RUN Wetting Agent & Stabilizer.

Dilute END RUN Wetting Agent & Stabilizer superconcentrate 1:99 with water as directed by instructions for using END RUN Wetting Agent & Stabilizer. To each liter of Wetting Agent working solution, add 1-50ml END RUN Print Brightening Converter concentrate.

**FOR EXAMPLE:**

10ml	END RUN Wetting Agent <i>Super Concentrate</i>
+ 990ml	Water
20ml	END RUN Print Brightening Converter <i>Concentrate</i>
1020ml	END RUN Print Brightening Converter <i>Working Solution</i>

The visible effect of brightening varies with the type of paper, water quality, processing methods, and the amount of UV available for reflection in the viewing light source. To compensate for these factors, the strength of the Print Brightening working solution may be adjusted by changing the amount of END RUN Print Brightening Converter concentrate added per liter of END RUN Wetting Agent working solution.

**FOR EXAMPLE:** For fiber-based prints, add 1-20ml Converter per liter.  
For resin-coated prints, add 10-50ml Converter per liter.

For some processes, especially non-silver printing on hand sensitized paper, the Print Brightening Converter may be added to plain water instead of END RUN Wetting Agent *working solution*. Add 1-20ml per liter of water.

Excess Print Brightener may be removed gradually by water washing.

#### HOW TO USE

After the final water wash, immerse for 1-3 minutes with constant agitation following the procedure described in the instructions for using END RUN Wetting Agent & Stabilizer. Sponge squeegee and dry as usual.

PROCEDURE	TIMING	RANGE
Step 1: Final Water Wash	5 Minute(s)	1-10 Minute(s)
Step 2: Agitate in END RUN	1 Minute(s)	1-3 Minute(s)
Step 3: Sponge, Squeegee & Dry		

Use at the same temperature as other solutions in the process, 18-30°C / 64.5-86°F. Agitate continuously for the first minute in *working solution*, and then for 10-15 seconds of each minute thereafter. Use only enough solution in film tanks to cover reels and to leave an air space for thorough agitation with bubbles.

#### CAPACITY & SHELF LIFE

The Print Brightener working solution has the same capacity and shelf life as the Wetting Agent & Stabilizer working solution.

The Print Brightening Converter alone has a shelf life of at least 2 years, stored with or without air in the container.

**WARNING: MAY CAUSE EYE AND SKIN IRRITATION.**

#### PRECAUTIONS

Avoid eye contact or prolonged skin contact. Wash thoroughly after handling and before eating, drinking or smoking.

#### FIRST AID

##### For of eye or skin contact:

Flush with plenty of water for several minutes. Get medical attention if irritation develops and persists.

#### KEEP OUT OF REACH OF CHILDREN

For more information, read the Material Safety Data Sheet which may be obtained from your supplier or on the web at [www.sprintsystems.com](http://www.sprintsystems.com).

Conforms to ATSM D 4236.

**EMERGENCY Telephone Number: ChemTel 1-800-255-3924, or contact a physician or your local Poison Control Center.**

#### LIMITED WARRANTY

Sprint Systems will not be responsible for any harmful effects caused by swallowing or inhaling the contents of any Sprint chemical, or by contact of Sprint chemicals with skin or eyes. Warranty limited to replacement of Sprint products if defective in manufacture, labeling or packaging.

# SPRINT® END RUN®



# PRINT BRIGHTENING CONVERTER

## FOR BLACK AND WHITE PRINTS

## ADD 20ML / LITER OF END RUN WETTING AGENT AND STABILIZER WORKING SOLUTION