

# B & W Suprol Film & Paper Developer and Amfix Universal Fixer

Suprol is a high concentration PQ-type Developer to use in manual and machine processing of general purpose monochrome film and graded print materials. The companion product to Suprol is Amfix, a high stability, long lasting fixer which can be used at different dilutions.

Suprol and Amfix are supplied under the following descriptions;

B & W Suprol Film & Paper Developer: 180129

Amfix Universal Fixer : 160202

- Suprol is a neutral tone Developer for B&W Film, RC and fibre based materials.
- Fine Grain, High Acutance, rapid working film Developer.
- Self replenishing Developer.
- For manual or machine processing of films and papers.
- Ideal for use in roller transport type machines for print processing.
- High workload capacity – long life manual print Developer.
- Clean working.
- Compatible with all general purpose black and white films and papers.
- All liquid concentrates.
- Convenient pack sized.

## Use of SUPROL

### Manual Processing

**SUPROL** can be utilised in shallow tray, small spiral tanks, reel to reel-to-reel tanks or deep tank units, as appropriate to the application.

### General Purpose Film Materials

<b>SUPROL Developer Dilutions</b>				
Application	Dilution	Processing Time @ 20°C (Minutes)	Dilution for Replenishment	Replenishment Rate mls/sqm.
35mm, Roll & Sheet	1 + 19	2 – 5	1 + 5	1000
	1 + 49	4 – 10	-	-
35mm, Roll & Sheet	1+3 – 1+4	2 – 5	1+3	400

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## RC and Fibre Base Papers

<b>SUPROL Developer Dilutions</b>			
Application	Dilution	Processing Time @ 20°C (seconds)	Throughput (sq Metre per litre)
Rapid Processing	1+5	50 – 60	5.0
Fast Processing	1+9	90 – 100	3.0
<b>AMFIX Fixer Dilution</b>			
All Materials	1+3 – 1+4	60 – 90	5.0

## Machine Processing

### General Purpose & Specialist Film Materials

<b>SUPROL Developer Dilutions</b>					
Application	Processing Conditions			Replenishment	
	Dilution for Initial Bath	Time (Seconds)	Temperature °C	Dilution	Addition (mls per sq)
35mm, roll & Sheet	1 + 19	90 – 120	20	1+3 – 1+4	1000
16mm, 35mm cine	1 + 7	18 – 150	20	1+6	250 -500
Microfilm	1+1 – 1+4	30 – 150	20 – 30	1+1 – 1+4	100 – 250
Aerial	1 + 5	7 – 10	20	1+5	200 – 300
<b>AMFIX Fixer Dilution</b>					
All Materials	1+3 – 1+4	30 – 50	20 – 30	1+3	300 - 500

## RC Base Print Materials

<b>SUPROL Developer Dilutions</b>					
Application	Processing Conditions			Replenishment	
	Dilution for Initial Bath	Time (Seconds)	Temperature °C	Dilution	Addition Rate (mls per sq)
RT Machines	1 + 7	20 – 30	28 – 32	1 + 4	200
<b>AMFIX Fixer Dilution</b>					
RT Machines	1 + 3	30 – 40	28 – 32	1 + 3	500

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## **Preparation of Working Solutions:**

The basic recommendations for the preparation of the working solutions will be found on the individual pack labels and more comprehensive information is provided in the relevant sections of this Technical Data Sheet.

NB: Any information concerning chemical preparation, marked on a processing machine or printed in a machine handbook should be disregarded if it conflicts with the recommendations printed on the individual pack or provided on this Technical Data Sheet.

## **Storage:**

Concentrates

The standard concentrate has a normal storage life of at least 12 months when held in full, tightly capped containers under steady temperature conditions in the range 13-18°C.

## **Working Strength Solutions:**

Solutions of the diluted concentrates should be not allowed to stand unused for more than one week, or the activity will be reduced by aerial oxidation.

To ensure consistency, no more than one week's supply of the Replenisher solutions should be made up at any one time.

Working solutions which are not in use should be kept in full, tightly closed containers or else kept covered with floating lids to prevent evaporation, oxidation and contamination.

## **Safe Use of Processing Chemicals:**

All chemicals should be kept out of the reach of children. The precautionary information printed on the pack labels should always be read before the chemicals are used.

Protective clothing, including gloves and face shields or eye goggles should always be worn when handling chemicals.

## **Warranty:**

Seller, Champion Photochemistry Sdn Bhd, expressly disclaims any and all warranties, express or implied, including any warranties of merchantability or fitness. Seller's sole obligation for defect is to replace the defective product. In no event shall seller have any liability for incidental or consequential damages.

## **Manufactured By:**

### **CHAMPION PHOTOCHEMISTRY SDN BHD**

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