



AFP SF/DSF

The “medium-hard” plate with the “hard” advantages



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The AFP – SF/DSF is Asahi’s medium hard range of plates for high quality printing onto all substrates.

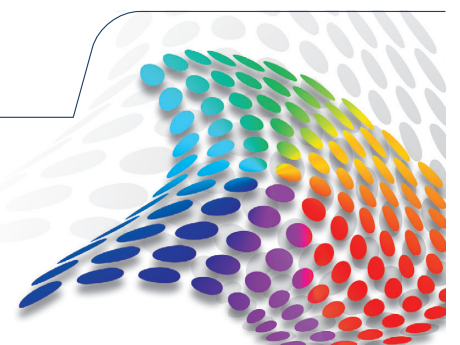
Its optimized balance of surface tension, plate hardness and recovery behaviour produces incomparably good ink coverage with low dot gain in the mid tones and brilliant highlight areas – and all this can be achieved at maximum printing speeds.

The AFP – SF/DSF plate can be used for most flexographic applications. No matter what the application, the ASAHI AFP – SF/DSF elevates printing results to a new level of quality. The superb ink transfer and excellent resolution offer crucial advantages for quality-conscious printers.

The product advantages in detail:

- The excellent ink transfer results in superlative solid coverage. The printability is particularly suitable for substrates that meet the ever increasing packaging cost quality ratio expectations
- Superbly balanced reproduction of large tonal areas, text and halftone elements
- The wide exposure latitude enables consistent results even under changing and difficult conditions
- Steep relief shoulders and very good intermediate depths allow printing reverse elements even under difficult conditions
- High ozone resistance facilitates plate storage
- The plate's high flexibility makes it possible to print with small-diameter cylinders

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■ Technical data

Plate type	AFP (D)SF 1.14	AFP (D)SF 1.7	AFP (D)SF 2.54	AFP (D)SF 2.84
Thickness / mm	1.14	1.70	2.54	2.84
Hardness / Shore A	74	62	56	54
K factor	5.98	9.89	15.17	17.05
Resolution 150 lpi conventional	1 – 95%	1 – 95%	1 – 95%	1 – 95%
Resolution 175 lpi digital	1 – 95%	1 – 95%	1 – 95%	1 – 95%
Isolated line / μm	80	80	80	80
Isolated dot / μm	150	150	150	150

The AFP – SF/DSF flexo plates can be produced in all Asahi AFP processing systems or corresponding processing equipment.

The plate is exposed on the back to produce the desired relief depth and achieve maximum sensitivity to UV light. After removal of the protective film, the main exposure is carried out. When an AFP – D(igital)SF type is used, the removal of the protective film is followed by laser imaging with a commonly available YAG, diode or fibre laser.

Then the plate is exposed, dried and finished by UVC and UVA light to ensure the optimum properties of the print-ready plate.

AFP – SF/DSF plates feature excellent compatibility with commonly used UV, solvent- and water-based ink systems.

After printing, the plates should be thoroughly cleaned. Direct exposure to sunlight and heat during storage is to be avoided.



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