

Special ink series for poster printing

Poster printing is extremely critical to printing inks as regards fastness and, in particular, light fastness. In principle printing inks with a light fastness of WS 6 or higher (according to DIN 16 525) should be used for such jobs. Especially for this application we recommend the series listed in the table below.

		Fastness characteristics per DIN 16 524/25			
		Light WS	Alcohol	Solvent mixture	Alkali
Plakat-Gelb (Yellow)	41 N 5010	6	+	-	+
Plakat-Rot	42 N 5010	6	+	+	+
Plakat-Blau (Blue)	43 N 5010	8	+	+	+
Plakat-Schwarz (Black)	49 N 5010	8	+	+	+
High light fastness					
Plakat-Gelb (Yellow)	41 N 5020	7	+	+	+
Plakat-Rot (Red)	42 N 5020	7	+	+	+

With special colours it is necessary - as a result of limited pigment selection - to make concessions as regard the desired colour shade.

Special Properties

- Rapid attainment of stable ink/water balance
- Rapid setting, good stacking properties
- Rapid oxidative drying
- Good scuff resistance
- High or even high light fastness

Application

The two posters series have been developed for printing jobs where a high or very high degree of light fastness is important. They are suitable for all sheet-fed presses and fount application systems, and for all absorbent coated and uncoated substrates.

Qualification

Under certain conditions, there is a possibility of the red inks suffering discoloration. When posters are glued to galvanised metal billboards, spotting may occur on the posters due to the inevitable weathering to which the posters are subjected. The cause of this is a chemical reaction brought about by interaction between the zinc in the galvanised metal, moisture and the red pigment. High temperatures and a large amount of glue can actually speed up and intensify this effect even more. The only way to combat this problem is to use special red inks whose pigments do not react in this way under these conditions.

Such inks are, for example:

Red 42 Q 6609

However, the light fastness of this ink is not particularly high: WS 5. The price of this special red ink is around that of standard poster red.

or

Red 42 Q 6629

The light fastness of this ink is WS 6. The price, however, is roughly 2 to 3 times that of standard poster red.

Additives

Use the following additives if it is necessary to adapt the poster ink to special printing conditions:

- for sensitive substrates use
Paste Reducer 10 T 9998
- use **Monsun 10 T 7265** to accelerate oxidative drying

Labelling

Safety data sheet available.

How supplied

2.5-kg vacuum tins

For general information about light fastness of offset and letterpress inks see Technical information 29.1.02 E.

Contact addresses for advice and further information can be found under www.hubergroup.de

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