

-----Original Message-----

From: Roger Sigrist

Sent: Thu 11/7/2002 3:36 AM

To: Michael Richardson; Philip Hursh; Dave Schalton

Cc: Christian Brun; Daniel Loosli; Peter Oswald; Hans Jürg Pfister

Subject: Banner-Testing

Hello together,

I sent the first results on banner testing at [September 5](#), and here are now the further results after almost 3 months of testing:

(See first evaluation of September for Print-Quality and Xenon-Light-Stability)

QUV-Testing

Results after 1600h (!) - printed with HP5000 UV-Inks:



3942:

Colours are washed out in the middle, but no cracks.

Banner was okay until about 800 hours.



3960:

Only slightly washed out - few colour fading, no cracks - good result!

Banner was okay until about 1000 hours (still usable after 1600 h !)



Kapco-Banner:

Poor water stability remarked after 200hours - still the similar result after 1600hours!

Slight fading, no cracks. Poor water stability can affect banners with large white surfaces!

Banner looks still usable after 1600h, but depending on the picture (white surfaces) the water-stability is problematic.



Oce:
Only slight fading, but very heavy cracks!
First heavy cracks came out after 600hours.



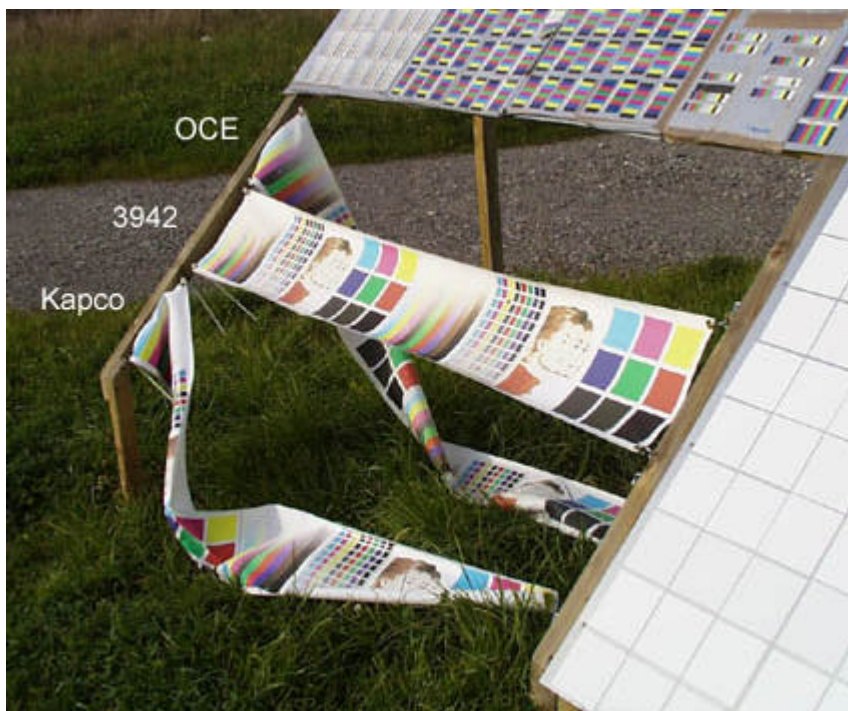
Rexam DMVB15:
Only slight fading, but heavy cracks!
First heavy cracks came out after 800hours.

Outdoor-Realtime-Weathering-Test

as capacity of outdoor weathering surface is limited, only 3 products could be tested:

- 3942
- Oce
- Kapco

Results:



After a pretty heavy storm in Switzerland we found the two light banners from Océ and Kapco on the floor, after the lugs were bunched out by the wind.

This test shows that the much higher tear-resistance of the 3942 can be useful in the daily application!

The printing results were comparable on all three banners after this period of time (2 1/2 months) - all banners were still in pretty good condition.

Due to this test we are very positive, that we are on the right way with our banners, and that our existing products are competitive. With our newest improvements in banners, we think that we can make even a large step forward, especially in print quality.

For any questions about the test, please contact me.

Best regards,

Roger Sigrist
application centre