

**Test report no.:** 73764/06

**Customer:** Haogenplast Ltd.  
Plastic Industries  
42880 Kibbutz Haogen  
ISRAEL

**Order:** Assessment of change in colour by grey scale according to ISO 105-A02 of the swimming pool foil "AGAM 15 L" after UV-irradiation of 3000 h.

**Order of:** 2006-06-25 **by:** Mrs. Nurit Naveh

**Test samples received on:** 2006-06-25

**Test period:** 2006-07-11

This test report comprises 3 pages.

Würzburg, 2006-07-27

Mü/ste 

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Dr. Anton Zahn



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## 1. Order

During the visit at the company Haogenplast Ltd., Plastic Industries, 42880 Kibbutz Haogen, ISRAEL, on June 25, 2006 Haogenplast instructed SKZ - TeConA GmbH to assess the change in colour according to ISO 105-A02 of the swimming pool foil "AGAM 15 L" after UV-irradiation of 3000 h.

## 2. Test material

On June 25, 2006 SKZ - TeConA GmbH received following test material:

3 pieces of swimming pool foil already tested in a QUV device  
1 piece of swimming pool foil (reference sample)

Manufacturer of foil:	Haogenplast Ltd., Plastic Industries, 42880 Kibbutz Haogen, ISRAEL
Designation of foil:	Agam 15L
Designation of printing:	Galit 4
Marking of weathered samples:	674/1, 13.11.2005, signature Mr. Ramsteiner 674/2, 13.11.2005, signature Mr. Ramsteiner 674/3, 13.11.2005, signature Mr. Ramsteiner

## 3. Test procedure

During the visit of a SKZ - TeConA GmbH representative at Kibbutz Haogen on June 25, 2006 Haogenplast Ltd. handed over the 3 test pieces of printed Agam 15 L swimming pool foil that had already been weathered in a QUV panel device according to EN ISO 4892-3 at Kibbutz Haogen for 3000 hours. The weathering test was monitored by Mr. Ronald Ramsteiner from Technische Universität München – Materialprüfungsamt für das Bauwesen, Abteilung Baustoffe, München.

Weathering device:	QUV panel
Irradiation source:	UV-A lamp
Radiation energy:	45 W/m <sup>2</sup> in the wave length range < 400 nm
Start of weathering:	2005-11-13
End of weathering:	2006-06-14
Time of irradiation:	3028 hours

The change of colour after UV-irradiation of the three samples was assessed by grey scale according to ISO 105-A02 at the SKZ-TeConA testing laboratory.

The testing was performed at a standard atmosphere of 23/50-2 in accordance with DIN EN ISO 291.

Usually we carry out tests according to standards for which we have an accreditation. The list of all standards for which we are accredited is shown on the homepage at [www.skz.de](http://www.skz.de).

Visual assessment

The visual assessment was carried out by using the grey scale for assessing change in colour according to ISO 105-A02.

The assessment was conducted by 3 testers independently.

#### **4. Assessment of the test results**

All three weathered samples reached level **3 - 4** on the grey scale according to ISO 105-A02.