

**TEST REPORT****REPORT NUMBER :** TURA100007860**APPLICANT NAME** **Sistem Metal Yapı ve Reklam Malzemeleri San.Tic.A.Ş.****ADDRESS** Merkez mah. Osmanlı Cad. 224. Sok. No: 5 Yakuplu İstanbul  
FAX NO :0212 876 27 50  
**Attention : Aydın Akgül (aakgul@albond.com.tr)****SAMPLE DESCRIPTION :**

- Sample 1 :** One sample of TECHNOBOND-1 Black sheet  
**Sample 2 :** One sample of TECHNOBOND-2 Red sheet  
**Sample 3 :** One sample of ARC ALBOND-FR Silver sheet  
**Sample 4 :** One sample of ARC ALBOND White sheet  
**Sample 5 :** One sample of SERBOND Blue sheet

**DATE IN :** 26 January, 2010 (17:17)**DATE OUT :** 12 February, 2010**BUYER'S REGION :** EUROPE**REQUEST :** SVHC Testing regarding REACH Regulation (EC) No. 1907/2006 for updated SVHC List of 13<sup>th</sup> January 2010

The test results relate only to the items tested. The report shall not be reproduced except in full, without the written approval of the laboratory. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with ISO/IEC 17025 and UKAS accreditation requirements. Unless otherwise is specified, all Pass or Fail results are given without uncertainty considered. When uncertainty is taken into account, the result may be borderline. Borderline results need to be re-tested to determine their disposition up to customer's decision. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. Tests marked (\*) in this test report are not included in the UKAS accreditation schedule for this laboratory.

Neslihan Sözer  
Chemical Laboratory Manager

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**Intertek Test Hizmetleri A.S.**

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Code	Test Method	Result	Requirements
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**Samples:**



**Tested Component Parts:**

CS=Combined Sample

CS	Description	Matrix
I	CS I	Combined sample of TECHNOBOND-1 Black sheet-Plastic Filling, TECHNOBOND-2 Red sheet-Plastic Filling, ARC ALBOND-FR Silver sheet-Plastic Filling, ARC ALBOND White sheet-Plastic Filling, SERBOND Blue sheet-Plastic Filling
II	CS II	Combined sample of TECHNOBOND-1 Black sheet, TECHNOBOND-2 Red sheet, ARC ALBOND-FR Silver sheet, ARC ALBOND White sheet, SERBOND Blue sheet



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Code	Test Method	Result	Requirements
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**1. Heavy metals after total digestion in %**

Test method: ICP OES DIN EN ISO 11885 (E22)  
 Plastic and metal: two stage digestion: cont. HNO<sub>3</sub> + H<sub>2</sub>O<sub>2</sub>, inverse aqua regia solution  
 Plastic: microwave digestion (HNO<sub>3</sub>)  
 Metal: aqua regia solution: US EPA 3052  
 Detection Limit: 0.01%

Parameter	CS I	CS II
Lead (Pb)	Not Detected	Not Detected
Cobalt (Co)	Not Detected	Not Detected
Arsenic (As)	Not Detected	Not Detected
Chromium (Cr)	Not Detected	0,015%

Referring to the listed SVHCs the following concentrations results:

Substances	CAS-No.	Calculated concentration of CS I (assuming the worst-case)	Calculated concentration of CS II (assuming the worst-case)
Cobalt dichloride	7646-79-9	<0.1%	<0.1%
Diarsenic pentaoxide	1303-28-2	<0.1%	<0.1%
Diarsenic trioxide	1327-53-3	<0.1%	<0.1%
Lead hydrogen arsenate	7784-40-9	<0.1%	<0.1%
Triethyl arsenate	15606-95-8	<0.1%	<0.1%
Lead chromate	7758-97-6	<0.1%	<0.1%
C.I. Pigment Red 104	12656-85-8	<0.1%	<0.1%
C.I. Pigment Yellow 34	1344-37-2	<0.1%	<0.1%

Calculated for the whole product the detected amount in % is:

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**2. Chromium VI in %**

Test method: Plastic and composite material: alkaline extraction according to IEC 62321:2008  
 Textile: Extraction with acid sweat solution according to BS EN ISO 105-E04:1996, detection by ICP OES  
 Leather: BS EN ISO 17075:2007 with UV-VIS Detection  
 Metal: boiling water extraction according to IEC 62321:2008  
 Detection Limit: 0.001%

CS I	Not Detected
CS II	Not Detected

By this test the presence resp. a concentration greater than 0.1% of sodium dichromate (CAS No. 7789-12-0) can be excluded.



Code	Test Method	Result	Requirements
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**3. Organic substances, in %**

Test method: Extraction with organic solvent, measurement GC-MS  
 Detection Limit: 0.02%; Anthracene: 0.0002%

Substance	CAS-No.	CS I
Anthracene	120-12-7	Not Detected
4,4'- Diaminodiphenylmethane	101-77-9	Not Detected
Dibutylphthalate (DBP)	84-74-2	Not Detected
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	Not Detected
Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	Not Detected
Hexabromocyclododecane (HBCDD)	25637-99-4	Not Detected
Short chain chloroparaffins C <sub>10</sub> -C <sub>13</sub>	85535-84-8	Not Detected
Tributyl tin oxide	56-35-9	Not Detected
Benzylbutylphthalate (BBP)	85-68-7	Not Detected
2,4-Dinitrotoluene	121-14-2	Not Detected
Diisobutylphthalate	84-69-5	Not Detected
Tris(2-chloroethyl)phosphate	115-96-8	Not Detected

<b>Anthracene oils and anthracene pastes (Analytically determined via the concentration of anthracene)</b>	90640-80-5	Not Detected
	91995-17-4	
	91995-15-2	
	90640-82-7	
<b>Coal tar (Analytically determined via the concentration of the sum of the 12 polycyclic aromatic hydrocarbons)</b>	90640-81-6	Not Detected
	65996-93-2	

Calculated for the whole product the detected amount in % is:

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**4. Ceramic fibers**

substances	CAS-No.	CS I	CS II
Aluminosilicate	--	Not Detected	Not Detected
Zirconia aluminosilicate	--	Not Detected	Not Detected

## END OF TEST REPORT ##

