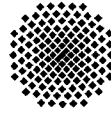


Environmental compatibility



MPA MPA STUTT GART
Otto-Graf-Institut

Materialprüfungsanstalt • Universität Stuttgart

Acc. to Tab. 6, DIN V 18035-6:2004-10

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Test report-no.: 55150/900 9247-8

Section 55150 „sports surfaces
sports facilities“

Contact person Dipl.-Ing. Hans-Peter Knauf

Results of the testing environmental properties on the synthetic surfacing

Measuring parameter (extract / eluate)	Requirement acc. to DIN V 18035-6: 2004-10	Result
DOC (dissolved organic carbon)	$\leq 20 \text{ mg/l}^{(1)}$ $\leq 40 \text{ mg/l}^{(2)}$	15 mg/l
EOX (extractable organic bound halogens)	$\leq 100 \text{ mg/kg}$	$< 10 \text{ mg/kg}$
Lead (Pb)	$\leq 0,04 \text{ mg/l}$	$< 0,005 \text{ mg/l}$
Cadmium (Cd)	$\leq 0,005 \text{ mg/l}$	$< 0,0005 \text{ mg/l}$
Chromium (Cr) total	$\leq 0,05 \text{ mg/l}$	$< 0,005 \text{ mg/l}$
Chromium VI (CrVI)	$\leq 0,008 \text{ mg/l}$	$< 0,005 \text{ mg/l}$
Mercury (Hg)	$\leq 0,001 \text{ mg/l}$	$< 0,0002 \text{ mg/l}$
Zinc (Zn)	$\leq 3,0 \text{ mg/l}$	1,0 mg/l (1. measu- rement)
Tin (Sn)	$\leq 0,05 \text{ mg/l}$	$< 0,005 \text{ mg/l}$
Biodegradation	im necessary	-
Odor	to be described	slightly rubber-like
Appearance	to be described	surfacing type D
Toxicity (as inhibition of nitrification resp. luminescent bacteria tests)	at the moment no requirements	IN = 100 % LBT.: n.d.

¹⁾ without consideration of EOX in the entire evaluation

²⁾ with consideration of EOX in the entire evaluation

n.d. = not determined

Evaluation: The requirements of DIN V 18035-6:2004-10 regarding the environmental compatibility were fulfilled.

09-07-2005

