



Test Report
paint compatibility test

according to test regulation
PBODC380
of DaimlerChrysler AG, Sindelfingen

Ms. Isabelle de Wolf
Mr. Michel Segers
date: 21.02.2007

orderer:

name: Atlas Copco, Ms.de Wolf, Mr. Michel Segers	division: industrial air	date: 21.02.2007
signature:	fax: +32/ 3 870 2885	order-no.: 20470507

material class:	Air filter
material designation:	PD9-SFA, DD-SFA, DDp-SFA, PD-SFA, PDp-SFA, QD-SFA; Size 9,17,32,44,60,120,150,175,280,390,520
test material class:	web fabrics, filter pads, cloth, cover foils, metal etc..
number of test samples:	1
manufacturer / supplier:	Atlas Copco
material-no. / batch-no.:	

part of plant component:	
sample gets in contact with:	workpiece <input type="checkbox"/> coating material <input type="checkbox"/>
general description of tasks	filter device for compressed air

class of test material:

fat, oil, mould release agent, lubricants, etc.	gaskets, hoses, etc.	sealing paste	web fabrics, filter pads, cloth, cover foils, etc.	industrial cleaning agents	adhesive tapes	covering paper	sponge cloths, etc.	coating materials of plants	components for spray booth, robots, car bodies, etc.
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03	<input checked="" type="checkbox"/> 04	<input type="checkbox"/> 05	<input type="checkbox"/> 06	<input type="checkbox"/> 07	<input type="checkbox"/> 08	<input type="checkbox"/> 09	<input type="checkbox"/> 10

coating material:

primer	1K-HS-filler	pre-coating	Water basecoat uni	water basecoat metallic	solvent basecoat metallic	clearcoat
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03	<input checked="" type="checkbox"/> 04	<input type="checkbox"/> 05	<input type="checkbox"/> 06	<input checked="" type="checkbox"/> 07

test variant:

over-coating of abrasion	contamination of dry coat film	mixing into paint material	over-coating of cleaning residues (solvent: butylacetate)	others
<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D	<input checked="" type="checkbox"/> E

result: sample is

<input checked="" type="checkbox"/> paint compatible	<input type="checkbox"/> not paint compatible
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sample causes

<input type="checkbox"/> cratering	<input type="checkbox"/> wetting defects	<input type="checkbox"/> surface defects
<input type="checkbox"/> swelling	<input type="checkbox"/> colour differences, bleeding	<input type="checkbox"/> residues (difficult to remove)

comments: Used coatings: Uni Feueropal MB 3590 (BASF), 2K CeramiClear (PPG); Test variant: The filter was connected to a compressed air line. The air passing the filter was being directed for two minutes to a plate of 50 cm to 20 cm which previously was being freshly coated with an extremely thin film of the paints mentioned. After that the plate was being fully overcoated. The test was repeated respectively for each coating material. In a variation of the test 3 ml butylacetate was brought in the filter before the test was repeated as mentioned above. All critical components inside the filter had been already tested before individually.

testing person:

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