

Chair of Paper Technology and
Mechanical Process Engineering (PMV)
Technische Universität Darmstadt

Prof. Dr.-Ing Samuel Schabel



D-64283 Darmstadt
Alexanderstraße 8

Phone: 49(6151) 16 21 54
Fax: 49(6151) 16 24 54

Assessment on Long Term Storage

Paper – Requirements for stability for general graphic purposes (ISO 20494)

Certificate

Customer: Steinbeis Paper GmbH, D-25343 Glückstadt, Germany

Order Date: 2018-08-28

Task

The PMV institute had to evaluate the long term stability of a paper in accordance with ISO 20494. The testing samples were delivered directly by the customer.

Test Material

Product type: Pure White ISO 90, 80 g/m²

Results

The following values have been achieved:

	Value:	Target:	Evaluation:
Tearing resistance MD, mN:	449	> 350	pass
Retention of tearing resistance after ageing:	97 %	> 80 %	pass
Tearing resistance CD, mN:	566	> 350	pass
Retention of tearing resistance after ageing:	95 %	> 80 %	pass
Alkali reserve, mol/kg:	3.14	> 0,8	pass
pH value of aqueous extract:	9.31	7.5 to 10.0	pass

Based on the actually valid evaluation procedure (referring to ISO 20494:2017) the material is regarded as:

The product meets the requirements for stability.

Darmstadt, September 12th, 2018

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MECHANISCHE VERFAHRENSTECHNIK
Technische Universität Darmstadt
Alexanderstraße 8, 64283 Darmstadt

Dr.-Ing. Heinz-Joachim Schaffrath