

Chair of Paper Technology and  
Mechanical Process Engineering (PMV)  
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## 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:** Classic White ISO 80, 80 g/m<sup>2</sup>

#### Results

The following values have been achieved:

	Value:	Target:	Evaluation:
Tearing resistance MD, mN:	383	> 350	pass
Retention of tearing resistance after ageing:	99 %	> 80 %	pass
Tearing resistance CD, mN:	510	> 350	pass
Retention of tearing resistance after ageing:	98 %	> 80 %	pass
Alkali reserve, mol/kg:	3.17	> 0,8	pass
pH value of aqueous extract:	8.74	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 12<sup>th</sup>, 2018

Dr.-Ing. Heinz-Joachim Schaffrath

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