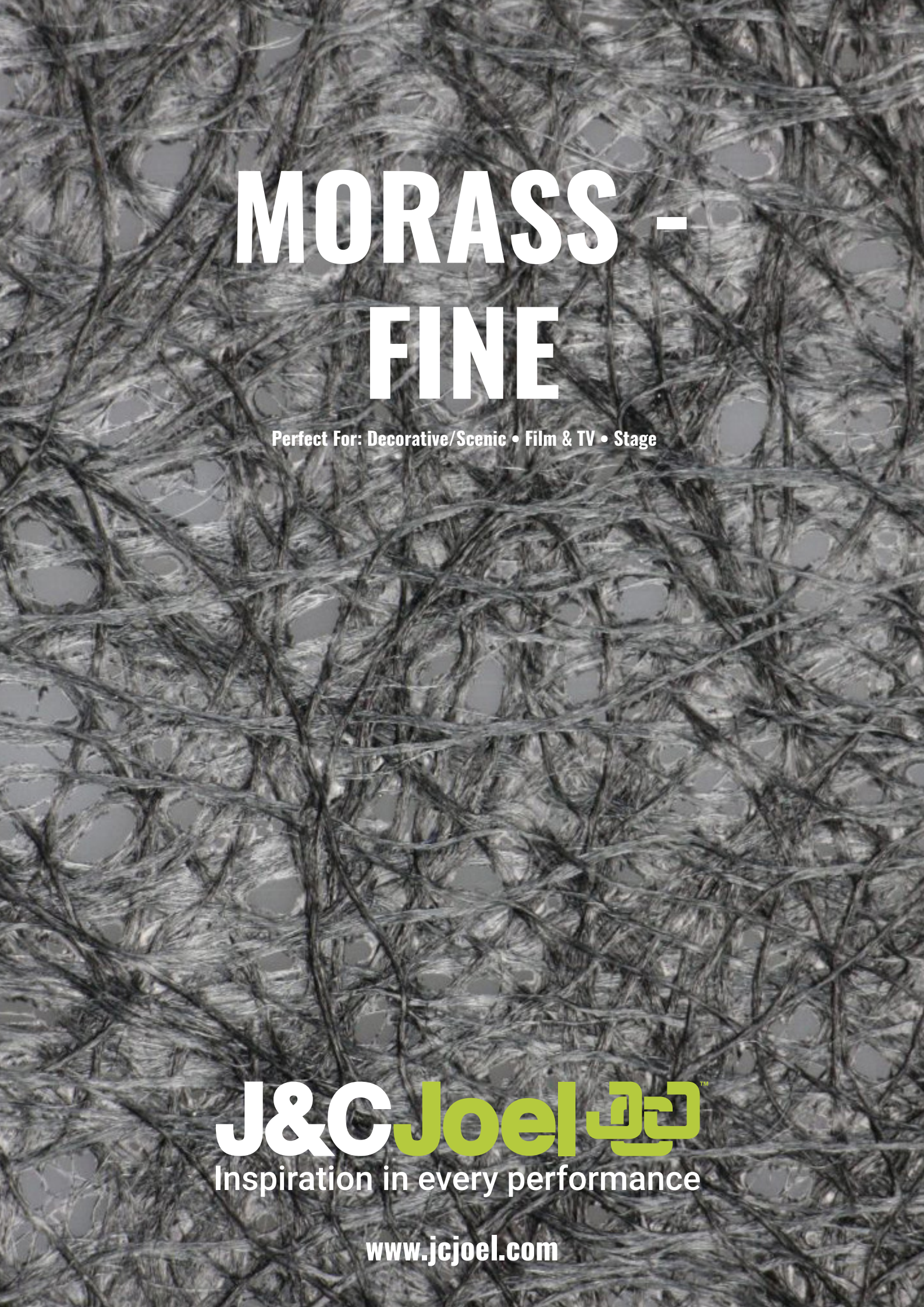

MORASS -
FINE
Perfect For: Decorative/Scenic • Film & TV • Stage
J&C Joel
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Contents

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TECHNICAL

NDFR
Non Durably Flame Retardant
chemically treated with a water solution and if wetted in any way should be retreated

DFR
Durably Flame Retardant
chemically treated to withstand a number of cleanings

IFR
Inherently Flame Retardant
woven from fibres with a high flame retardancy

FR
Flame Retardant
chemically treated to an individual specification

NOT FR
Not Flame Retardant no flame retardant treatment

Confirmation that the fabric meets one or more flame retardant standards

BS5867 BS5867 Pt2 B is the British Standard for flame retardant fabrics used for curtains and drapes

BS5852 BS5852 Pt1 is the British Standard for flammability of upholstered composites for seating

BS4790 BS4790: 1987 Determination of the effects of a small source of ignition on textile floor coverings hot metal nut method (method 1, loose laid)

EN13773: 2003 Meets European fire safety standards for vertically hung fabrics. Burning behavior, ignitability testing of curtain fabric for use in the contract market.

TL 1080-0002/8 German Military Specification for horizontally tested materials

EN14041 Details the requirement for CE Marking of textiles, laminate and resilient floor coverings

BS7905-1:2001 Lifting equipment for performance, broadcast and similar applications.

ATTRIBUTES

Approx roll length of material in linear metres (m) & feet (ft)

Approx width of material in centimetres (cm) & inches (")

Approx weight in grams per metre squared (g/m^2)

Approx thickness in (mm)

M1, M2, M4 Conforms to French Fire Regulations

B1, B2 Conforms to German Fire Regulations DIN 4102

IMO Conforms to International Maritime Organisation regulations

Classe Uno Meets Italian Fire Regulations

BS EN13501-1 Fire Classification of construction, products and building elements. Classification using test data from reaction to fire tests

CFC EN ISO 9239-1 Reaction to fire test. Horizontal surface spread of flame on floor covering system. Determination of the burning behaviour using a retardant heat source

NFPA 701 NFPA 701: (USA) Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

EN9239-1 Reaction to fire tests – horizontal surface spread of flame on floor covering systems

DIN EN1021 Meets European fire safety standards for exposure to different ignition sources, namely a lit cigarette and butane flame. Assessment of the ignitability of upholstered furniture

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Datasheet - Fabrics and Flooring

Morass - Fine

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To ensure you get the best from the product supplied to you, we advise you follow the care instructions within this datasheet.

Fabric	**Flame Retardancy**	FR
	Fire Certification	BS5867, EN13501-1
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100% Viscose
	Construction of Fabric	Spun Bonded
Chemicals	**Surface Treatments**	Flameproofed
	Brand Name of Flame Retardant Chemicals	N/A
	Chemical name of Flame Retardant Chemicals	N/A
	Process of Flame Retardant Chemicals	N/A
Care	**Information**	Flame Retardant. This means that this type of fabric is chemically treated to meet the flammability requirements of BS5867 Part 2 Type B and EN13501-1.
	Laundering Treatment	 Do Not Dry Clean · Do Not Wash · Do Not Bleach · Do Not Iron · Do Not Tumble Dry
Notes		

All details are accurate at the time of print but are subject to change.



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Fire Test Certificate - Specimen

Fabric: Morass - Fine
Type: BS5867 Part 2 Type B

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BTTG
TESTING • CERTIFICATION • AUDITING

Wira House, West Park Ring Road,
Leeds, LS16 6QL, UK.
Telephone: +44 (0)113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 01 September 2017

Our Ref: **53939-4A**
Your Ref: -

Client: J. & C. Joel Limited
Corporation Mill
Corporation Street
Sowerby Bridge
Halifax
HX6 2QQ

Job Title: Surface Ignition Of Curtains & Drapes (Type B)

Client's Order No: -

Date of Receipt: 21 August 2017
Date of Test Start: 31 August 2017

Description of Sample(s): One sample identified as follows was received for testing:

Morass, stated to be FR

SPECIMEN

Work Requested: We were asked to make the following test:

BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds

ilac-MRA UKAS TESTING 1066

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A company registered in England & Wales with company number 04669651. VAT Number GB 816764800.
The supply of all goods and services is subject to our standard terms of business, copies of which are available on request.
Our laboratories are accredited to EN ISO/IEC 17025.

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Fire Test Certificate - Specimen

Fabric: Morass - Fine
Type: BS5867 Part 2 Type B

J&C Joel
Inspiration in every performance

Wira House, West Park Ring Road,
Leeds, LS16 6QL, UK.
Telephone: +44 (0)113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 01 September 2017

Our Ref: **53939-4A**
Your Ref: -

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J. & C. Joel Limited

Sample was identified as follows:

Morass, stated to be FR

BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds

Pre-Treatment
No water treatment required as the sample was stated to be non durable flame retardant.

Conditioning
The test specimens were conditioned for at least 24 hours in the standard atmosphere of 60 ± 5 % relative humidity (R.H.) and 20 ± 2 °C.

Testing
Three specimens from both length and width were tested in accordance with BS EN ISO 15025: Procedure A (surface ignition):2002. The sample was tested at 20°C and 60% relative humidity (R.H.).

Each specimen was subjected to an applied flame using propane and a 15 second flame application time. The results obtained (shown in the table below) were assessed according to the requirements of BS 5867: Part 2:2008 (2015).

Test results relate only to the sample tested.

The results for all tests are given in the table(s) on the following page(s).

Reported by:.....
J Coleman
Fire Technician

Countersigned By:.....
P Doherty
Operational Head

Enquiries concerning this report should be addressed to Customer Services.

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Telephone: +44 (0)113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 01 September 2017

Our Ref: **53939-4A**
Your Ref: -

J. & C. Joel Limited

RESULTS

Sample Ref: Morass, stated to be FR

BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds
Testing as received.

	Length			Width		
Specimen No.	**1**	**2**	**3**	**4**	**5**	**6**
Flame reached an edge	No	No	No	No	No	No
Hole reached an edge	No	No	No	No	No	No
Flaming debris separated	No	No	No	No	No	No

SPECIMEN

Requirements
Any "Yes" means fail except if only one specimen fails a further 6 specimens are tested, it the second 6 specimens all pass the result is a pass.

Result: Pass

Conclusion
The fabric meets the Type B performance requirements of BS 5867: Part 2: 2008 – the fabric must be clearly labelled `If wetted in any way it is essential to re-treat the fabric to meet flammability requirements`.

The material should be identified with the manufacturers name, trademark or other identifying mark, the statement `Flammability complies with the requirements of BS 5867: Part 2, Type B and instructions of any special precautions to be taken concerning care (including cleansing) of the curtain, drape or window blind to be manufactured from the fabric, preferably using an appropriate care labelling symbol in accordance with BS EN 23758 and taking account of the pre-treatment used in this test and the requirements of Clause 4 of BS 5867: Part 2: 2008 (2011). If the fabric is unsuitable for cleansing, this shall be stated.

Uncertainty Budget
There is no uncertainty budget associated with BS 5867: Part 2: Type B as no measurements are determined, the pass/fail criteria is assessed visually.

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MPA NRW.
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN • ÜBERWACHEN • ZERTIFIZIEREN

Außenstelle Erwitte • Auf den Thränen 2 • 59597 Erwitte • Telefon (02943) 897-0 • Telefax (02943) 897 33 • E-Mail: erwitte@mpanrw.de

Bericht zur Klassifizierung des Brandverhaltens

Nr. 230011636-3
vom 11.01.2019

SPECIMEN

Auftrag: Klassifizierung des Brandverhaltens nach DIN EN 13501-1:2010-01

Auftragsdatum: 30.07.2018

Kennnummer der notifizierten Prüfstelle:

Art und Bezeichnung des zu klassifizierenden Bauprodukts:

Effektgewebe „CONTRA H FEIN", „CONTRA O", „CONTRA H GROB" und „CONTRA H SUPER"

Dieser Bericht bestimmt die Klassifizierung des o. g. Bauprodukts in Übereinstimmung mit dem in DIN EN 13501-1 angegebenen Verfahren.

Klassifizierungsberichte dürfen ohne Zustimmung des MPA NRW nur nach Form und Inhalt unverändert veröffentlicht oder vervielfältigt werden. Dieser Klassifizierungsbericht umfasst 3 Seiten.

MPA NRW.
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN · ÜBERWACHEN · ZERTIFIZIEREN

1 Beschreibung des Bauproduktes

Effektgewebe aus Viskosefilamentgarn in den Farben rohweiß, schwarz und grau

Flächengewicht der Gewebe „CONTRA H FEIN" und „CONTRA O": ca. 140 g/m²
Flächengewicht der Gewebe „CONTRA H GROB" und „CONTRA H SUPER": ca. 270 g/m²

Dicke des Gewebes „CONTRA H FEIN": ca. 0,5 mm
Dicke des Gewebes „CONTRA O": ca. 0,6 mm
Dicke des Gewebes „CONTRA H GROB": ca. 0,7 mm
Dicke des Gewebes „CONTRA H SUPER": ca. 1,0 mm

2 Prüfberichte und Prüfergebnisse, die der Klassifizierung zugrunde liegen

2.1 Prüfberichte

Name des Labors	Auftraggeber	Nummer des Prüfberichts	Prüfverfahren
MPA NRW		230011636-1 vom 11.01.19 230011636-2 vom 11.01.19	DIN EN ISO 11925 – 2 DIN EN 13823

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2.2 Prüfergebnisse

Die im Folgenden aufgeführten Prüfergebnisse bilden die Grundlage für die Klassifizierung.

Prüfverfahren	Parameter	Anzahl der durchgeführten Versuche	Prüfergebnisse	
			Mittelwerte stetiger Parameter	Anforderung diskreter Parameter
DIN EN ISO 11925-2 30 s Beflammungsdauer	Flammen-ausbreitung ≤150 mm Brennendes Abtropfen/Abfallen	60	--	ja nein
DIN EN 13823	$FIGRA_{0.2}$ in W/s	7	500	--
	$FIGRA_{0.4}$ in W/s		46	--
	THR_{600s} in MJ		0,6	--
	LFS_{Kante}		--	< Kante
	SMOGRA in m²/s²		328	--
	TSP_{600s} in m²		53	--
	Dauer des brennenden Abfallens in s		0	--

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3 Klassifizierung und direkter Anwendungsbereich

3.1 Referenz

Die Klassifizierung wurde in Übereinstimmung mit den Abschnitten 11 und 14 der Norm DIN EN 13501-1:2010-01 durchgeführt.

3.2 Klassifizierung

Der geprüfte Baustoff wird in Bezug auf sein Brandverhalten klassifiziert als: **C**

Die zusätzliche Klassifizierung in Bezug auf die Rauchentwicklung ist: **s3**

Die zusätzliche Klassifizierung in Bezug auf das brennende Abtropfen/Abfallen ist: **d0**

Damit ergibt sich als Klassifizierung des Brandverhaltens des geprüften Baustoffs:

Brandverhalten	Rauchentwicklung	brennendes Abtropfen/Abfallen
C	**s3**	**d0**

d.h. ***C – s3,d0***

SPECIMEN

3.3 Anwendungsbereich des Produktes

Die Klassifizierung gilt nur für das unter Abschnitt 1 beschriebene Bauprodukt für die freihängende Verwendung im Abstand von ≥ 80 mm zu gleichen oder anderen flächigen Baustoffen.

4 Einschränkungen

Dieser Klassifizierungsbericht ersetzt keine Typzulassung oder Produktzertifizierung.

Erwitte, 11.01.2019

Im Auftrag

Dipl.-Ing. Rademacher
Leiter der Prüfstelle

Materialprüfungsamt MPA NRW 38 Nordrhein-Westfalen

Dipl.-Ing. Schreiner
Sachbearbeiter



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