



GELITA[®] RESTORATION Gelatin

- Restoration of historical photographs and negatives
- Paper sizing and splitting
- Adhesive for musical instruments and antique furniture

The RESTORATION Portfolio

! RESTORATION 1 – The inert and pure expert

This extraordinarily clear, fully deionized and highly pure Type B gelatin comes with photographic quality. It is the first choice "natural adhesive" in the restoration of photographs, films and glass plate negatives.

In addition it is frequently used for paper splitting processes to preserve historical documents. Moreover, it is the gluing agent of choice for antique paper, furniture and musical instruments like masterpiece violins and other stringed instruments where it is key that the gluing agent shows immaculate performance without any impact on the original coloring of the object.

! RESTORATION 2 – Preserving history

With a combination of high gel strength and excellent transparency, this Type A gelatin offers wide possibilities for the creation of gelatin objects even up to larger sizes and scales. Professional restorers have used it as an ingredient for stucco marble in the past to retard hardening and allow longer processing, e.g. master stucco artist Willi Jänschke who led a team of restorers working on the famous Semper Opera house in Dresden.

This gelatin has also an unique appeal for artists: its transparency, the way it is mould- and formable and its strong gel strength makes it a fascinating yet sustainable material.

! RESTORATION 3 – Fighting back ink corrosion

The low gel strength and higher stickiness makes this Type B gelatin perfectly suited for restoration of ink corrosion. It can be used to fix and preserve the colors and content of historical texts or act as a low viscous glue for paper and wood.

RESTORATION 3 gelatin can be blended with RESTORATION 1 gelatin to fine tune gel strength and stickiness of a glue for wooden objects, paper sizing and music instruments.

RESTORATION 1 – For high quality restoration of stringed instruments like priceless antique violins.



RESTORATION 2 – For transparent and solid objects, such as these casts of ancient Greek sculptures.



RESTORATION 3 – For the preservation of historical books and documents.



GELITA® RESTORATION Portfolio at a Glance

Parameter	Test Method	Unit	Restoration 1	Restoration 2	Restoration 3
Gelatin Type			Type B	Type A	Type B
Gel Strength	AOAC	g Bloom	≥ 250	≥ 280	60 – 120
Viscosity	6.67 %; 60 °C	mPa·s	4.00 – 4.70	5.15 – 5.75	1.80 – 2.70
pH	6.67 %; 60 °C	–	4.90 – 5.20	5.20 – 5.60	5.00 – 6.00
Transmission 620 nm	6.67 %; 620 nm	%	≥ 92	≥ 95	≥ 85
Transmission 450 nm	6.67 %; 450 nm	%	≥ 78	≥ 85	≥ 60
Conductivity	1.00 %; 30 °C	µS/cm	≤ 25	≤ 190	≤ 150
Calcium Ca ²⁺	Complexometry	mg/kg	≤ 100	≤ 100	≤ 250
Moisture	≥ 16 h; 105 °C	%	9.0 – 13.0	9.0 – 13.0	9.0 – 14.0
Total Aerobic Microb. Count	ph. Eur./USP-NF	cfu/g	< 1,000	< 1,000	< 1,000
Salmonella	ISO 6579	/25 g	0	0	0