

The Fine Art of Picture Framing



Picture Framing Products

All Neschen products employ adhesives that are water-based as opposed to those tapes that use solvent-based adhesives. Water-based emulsions are environmentally friendly adhesive systems which do not stain papers, migrate through or become yellow and brittle. Neschen water-based adhesives have been tested and proven to be exceptionally age resistant and stable both in the lab and in the field.

Paper Preservation Basics

pH scale and buffering

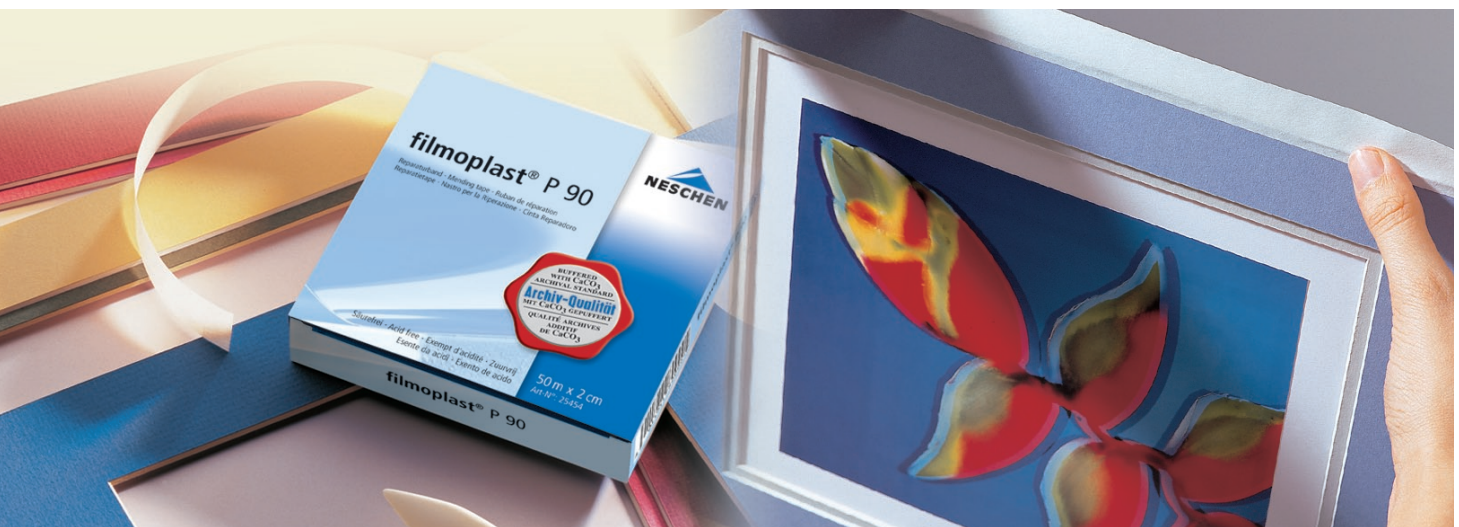
The pH scale was developed to measure the relative acidic or alkaline nature of an object. The scale ranges from 1-14, with 7 being the neutral point and each number indicating a 10 X increase. Buffering is simply the addition of an agent, most frequently magnesium carbonate and/or calcium carbonate, to alter the object's overall pH value.



An adhesive that is very acidic can be “made neutral” with the addition of an alkaline of comparable strength, but for conservation purposes it is better to start with a pH value close to neutral and use buffering as a means to impart an alkaline reserve into the adhesive/paper. Those Neschen products in which we employ a buffering agent have an average pH value of around 8. This slightly alkaline nature will work to counteract acids, which may occur during natural ageing of some papers.

So-called “acid free” tapes, which do not employ any kind of buffering agent, may start out with neutral pH value but over time tend to drift into the acidic range. The rate at which this happens is dependent on the quality of the materials in contact with the tape along with the quality of the display/storage environment. While all Neschen products have been thoroughly tested by government and independent agencies worldwide, we urge framers to exercise care in the selection and use of our products. The framing of any work of art brings together a wide range of materials and the combined effect of these materials cannot always be foreseen.

We strongly recommend that you read all manufacturers' instructions for use and if you have any doubts, contact the manufacturer and/or a trained conservator.



filmoplast® P transparent framers' tape

Originally designed for archives and mending torn documents, filmoplast P uses a thin transparent, self-adhesive paper that becomes virtually invisible upon application. Professional framers have found it to be ideal for hinging works of art done on light weight rice paper where you do not want the hinge to show through. In addition, filmoplast P with its non-yellowing age-resistant adhesive is ideal for mending torn paper. Both the paper carrier and adhesive are mildly buffered with CaCo₃ and can be removed from stable paper surfaces. Each roll comes packaged in its own dispenser box.

filmoplast® P 90 self-adhesive hinging tape

filmoplast P 90 is made from long fibred acid-free white paper and then coated with our age resistant water-based acrylic adhesive. Both the adhesive and the paper are mildly buffered with CaCo₃ providing an alkaline reserve to counter any acid intrusion. This tape can be removed from stable papers using acetone (instructions available upon request). Each roll is packed in its own dispenser box to keep the tape free from contamination prior to use. filmoplast P 90 is available in two widths to provide a secure means to hinge even large works of art.



Filmoplast P 90 plus NEW!

Designed from the ground up expressly for the professional framer, P 90 plus has a stronger adhesive better able to hold larger art works than the original. The tape has a pH of approximately 7.5 and is not buffered. Like the original, P 90 plus will not dry out or become brittle with age and is ready to use off the roll with no wetting required.



filmoplast® R heat-activated hinge

A technical Japanese paper with a heat-activated adhesive. Simply tear from the roll to achieve hand torn edges. The adhesive is buffered with magnesium carbonate. This hinge is removable with acetone or heat. To apply, simply use a tacking iron, filmoplast R seals at a temperature of 100 °C (212 °F).

filmoplast SH fine-threaded white rayon

An exceptionally strong, tightly woven rayon fabric coated with one of our strongest adhesives. Being water-based, this acrylic adhesive will not dry out, creep, or become brittle with age and has a pH of approximately 7. Filmoplast SH is used extensively for "booking" the window mat to the backing board and other applications that demand high strength. Note that while filmoplast SH has fine aging qualities and is pH neutral we do not recommend the use of this product for hinging art as it will not tear or break like a paper tape should the art suffer a fall. With no wetting or drying time needed filmoplast SH is perfect for maintaining an efficient work flow without compromising professional quality.



Burnishing bone

Made from polished beef bone this traditional tool of the trade is used for a wide range of jobs including smoothing over cuts, polishing the interior edge of window mats and pressing self-adhesive tapes into place. All self-adhesive tapes should be burnished to insure a tight and secure bond especially on those papers that have a rough surface.



Teflon® folder

The latest incarnation of a time tested tool these folders are made from teflon bar stock and glide over a vast range of materials without leaving a mark. With a heft and feel almost like soapstone the folders are easy to clean and will not splinter as they wear. With one end pointed and the other chiselled you will find this to be a valuable addition to your shop's tool chest.



Neschen gudy Series

Pressure sensitive mounting adhesives

Neschen has long been known in the graphics industry for their mounting and laminating materials and machines used by commercial photo labs, fine art photographers, and sign shops. Included in this product offering are a range of pressure sensitive mounting adhesives grouped under the name "gudy". With its great variety of adhesives, carriers, and release liners you will always find a gudy mounting adhesive perfectly tailored to suit your application. In addition to production size rolls Neschen also offers products, like our gudy 870 and gudy 831, in smaller rolls for hand application. Both of these products in addition to being both acid and solvent-free have passed the Photographic Activity Test making them perfect for the permanent archival mounting of photographs or computer generated images.

gudy 800

Double-sided soft PVC carrier

With its soft PVC film for the center carrier gudy 800 is able to conform to substrates that are not perfectly smooth and still create a tight secure bond. The acid- and solvent-free adhesive will not dry out and remains flexible with age. gudy 800 is also available with an opaque white center carrier to block imperfections in the mounting surface and provide a consistent uniform color to mount to.



gudy 802

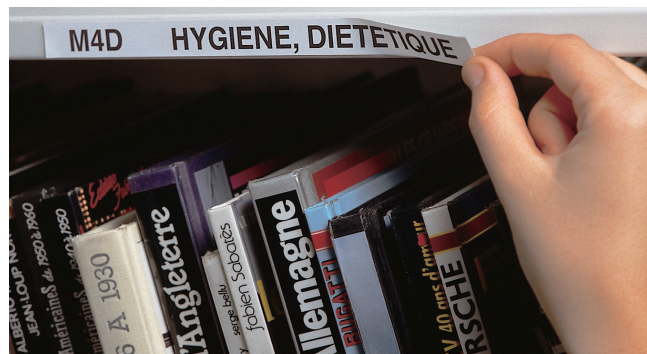
Double-sided hard PVC carrier

Using a traditional construction this double-sided transparent film is extremely thin adding minimal thickness to the finished mount. The semi-rigid PVC carrier helps avoid bubbles in application and imparts minimal "orange peel" when mated to smooth substrates. Available in both machine and hand size rolls.

gudy 804

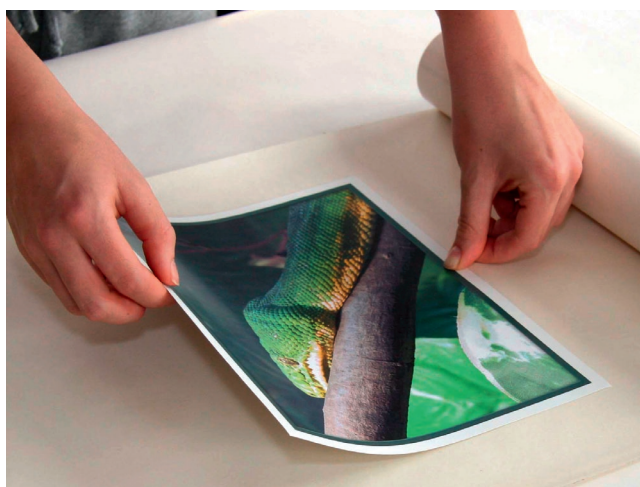
Removable mounting adhesive

This unique product has a permanent adhesive on one side and a removable adhesive on the other. It has been developed for the temporary display of graphics so they can be peeled off at a later date without the risk of damage to the wall or paint. gudy 804 uses a center carrier made from a clear pliable PVC film and has a peel-away liner on both sides, making it easy to measure and cut. Perfect for school, convention hall, and point of purchase displays that will be changed over time.



gudy 831**Paper carrier**

Available in both machine and hand sized rolls this high-tack mounting adhesive bonds well to a vast range of substrates including those that are a bit rough or uneven. gudy 831 is made of non-woven acid-free paper which has been coated on both sides with our age resistant water-based acrylic adhesive. It provides a strong secure bond that will not bubble or peel with age. Since it may be applied manually, without the use of heat or machines, gudy 831 is perfect for those items that may be damaged in a heat press. Tested at The Image Permanence Institute in Rochester NY, gudy 831 has passed the Photographic Activity Test (per ISO 14523) making it an ideal choice for permanent archival mounting.

**gudy 870****Transfer adhesive**

gudy 870 differs from most mounting adhesives in the way it is constructed. Unlike most double-sided tapes, which use a film or paper carrier that has been coated on both sides, gudy 870 is just a very thin layer of adhesive coated onto a silicone release paper. When this adhesive is pressed to a substrate or graphic and the release paper peeled away it leaves or transfers the adhesive to that surface.

The result is a very thin adhesive coating similar to an aerosol spray but without the mess or associated health hazards. gudy 870 is both acid- and solvent-free and has also passed the Photographic Activity Test. It is available in both production sized and hand sized rolls.

gudy 871**Narrow width**

The same adhesive and construction as our gudy 870 but zone coated in narrow widths. Simply unroll, burnish, then peel away the release liner to reveal a narrow strip of adhesive. Perfect for layering window mats, photo albums, and scrap books.

Application methods**Machines for mounting and laminating**

While products like our gudy 831 and gudy 870 can be applied by hand in widths up to 24 inches, for larger widths and/or high volumes we offer a range of mounting and laminating machines. Starting at 24 inches and going all the way to 80 inches in width, these professional quality machines not only provide bubble free mounting but open up a world of options for finishing and enhancing using our line of self-adhesive laminates. Graphics can be made matt, glossy, textured, scratch proof, washable, and more. Contact your Neschen rep or call us for more information.





Neschen AG
Administration: Hans-Neschen-Str. 1
Sales: Windmühlenstr. 6
D-31675 Bückeberg
Tel.: ++49 (0) 57 22-20 70
Fax: ++49 (0) 57 22-20 71 97
e-mail: neschen@neschen.de
Internet: www.neschen.com