

# NU-COAT



**NU**  
  
**SIGN**

**NU**  
  
**PRINT**

**NU**  
  
**FINISH**

# Who is NU-COAT?

**NU-COAT** is the answer to new challenges in the sign & wide-format market.



## Innovative

UV polyacrylate adhesives are at the core of our development. Although such adhesives have been widely used for more than a decade in medical, food, automotive and label sectors, **NU-COAT** brings this exceptional technology and its distinct advantages to our industry.

## Responsive

The wide ranging needs and requests from the industry are the major driving forces behind our new developments. As a consequence, we have developed a wide range of versatile products for sign makers and printers alike. **NU-COAT**'s agility means we are ideally set up to provide you quick turnarounds often required for campaign work.

## Reliable

**NU-COAT** is a team of very experienced specialists in self-adhesive production and coating for the sign, wide-format digital print and laminate markets. We are a solution supplier for the wide range of applications in the graphics industry. Our excellence is recognised especially for low energy, difficult and low temperature surfaces.

## Flexible

We can supply materials up to 1600mm wide, in standard or custom-sized rolls with the added flexibility of production runs for as little as 1,000 linear metre minimum order quantity.

To help us grow your business we are therefore adept at developing bespoke products for your on demand needs.

So let us discuss your requirements in detail to define the right solution in terms of base material, adhesive and liner, including all the features and benefits you are looking for.

## Responsible

Responsibility and environmental awareness are key to us.

We are in tune with the challenges of our generation.

- We use the most modern adhesive technologies for highly reduced energy use
- We use solvent-free, non-aqueous adhesives & Volatile Organic Compounds
- We are focused on waste reduction and recycling

## Proven

We offer rigorously tried, tested & approved products.

Before launch, products undergo evaluation in our expansive laboratory facilities before being rigorously tested as fit for purpose by sign and printing companies - taking our face films, adhesives and liners and qualifying printing, cutting, weeding, application and removal. You can expect, consistent good quality.

## Selective

We specifically select our distribution partners for their philosophy, their professionalism and their all-round ability to service customers.

We offer our partners training and technical support, as well as sales and marketing tools. They are a key part of the **NU-COAT** success story.



# Our UV Polyacrylate Adhesives

Our adhesives are what makes **NU-COAT** so different and suitable for you.

We are one of the very first manufacturers worldwide to have chosen UV-curing technology for wide-format materials. This technology is a speed curing process in which high intensity UV-C light instantly cures the coating.

UV polyacrylate adhesives will help you save time and money with a unique combination of features:

- Solvent-free, non-aqueous adhesive
- Non whitening - Excellent clarity
- Low odour - No VOC (Volatile Organic Compounds)
- Outstanding aging and heat resistance
- Usable in low temperatures applications (close to 0°C)
- Builds bond faster, resulting in significant time saving time



We have developed an extensive range of adhesives specifically for the requirements of our industry.

These adhesives are available coated on to white, clear and coloured PVC base films - monomeric or polymeric, or alternatively gloss, satin or matt finish non-PVC films.

## Permanent... with a Plus

### Permanent Series

#### PermPLUS (P) and WindowPLUS (W)

More than just a standard permanent adhesive.

This special adhesive is designed to be used all year round even when it's raining or getting close to 0°C!

The adhesion is higher and the film bonds faster than the many other products described by others as 'permanent'.

Furthermore, the excellent weather resistance of these adhesives also makes them perfect for glass decoration.

When used on CAD materials you'll appreciate the ease of weeding.

The stronger and faster bond helps save time when transferring with standard application tapes.

## When you need a stronger adhesion...

### XtraGrab Series

**HighGRAB (H)** for a wide range of difficult surfaces including smooth and lightly textured walls, floors, ceramic tiles, carpet tiles, MDF, wood, plaster board, smooth LSE (Low Surface Energy) surfaces.

Where standard adhesives too often fail we recommend **NU-COAT HighGRAB (H)**.

**UltraGRAB (U)** goes a step further with extra-strong bond to tackle rough walls, floors, textured LSE (Low Surface Energy) surfaces and the like.

**MaxGRAB (M)** MaxGRAB adhesive was developed to satisfy the extremely challenging demands encountered in external floor graphic applications. The very high tack and high coat-weight of this adhesive combined with its ability to wet out (flow) into textures, makes it ideal even for rough surfaces including concrete, bricks, asphalt and tarmac.

Just like our **Permanent Series**, the **XtraGrab Series** adheres well at lower application temperatures and builds bond strength quickly. Of course these adhesives will also stick with extreme high adhesion to more standard substrates if your application requires such an extreme bond.

## Removable... for changing graphics

## Removable Series

ReMOVE (R) our multi-purpose removeable adhesive is currently in development.

Cling2 (Z) is the only film without adhesive coating in the **NU-COAT** range. Available in clear or white, the static self-cling features make these films perfect for smooth surfaces such as glass.

### The NU-COAT adhesives in a nutshell

Time	180°Peel Adhesion N/25mm																			
	Stainless Steel					Glass					Polypropylene					MDF				
	W	P	H	U	M	W	P	H	U	M	W	P	H	U	M	W	P	H	U	M
20 min	17	19	23	25	32	21	21	27	32	30	1	5	13	26	30	4	5	7	13	28
24 hrs	22	23	26	28	33	24	25	31	37	30	2	6	14	28	30	7	8	11	22	29
1 wk	23	24	30	30	33	25	26	33	38	31	2	7	14	30	31	8	9	13	27	29

Typical values are shown.

**W**=WindowPLUS **P**=PermPLUS **H**=HighGRAB **U**=UltraGRAB **M**=MaxGRAB  
Standard values on PVC. For other substrates, please consult the Technical Data Sheet.

We test all our products on a wide range of common substrates, so you know what to expect for your application. If you need the adhesion on a specific substrate to be tested, just get in touch with us!

## For easier and faster application

## airXit Option

A selection of our adhesives are available with **airXit** liner.

With this option, your chosen adhesive is supplied in a pattern creating fine air channels underneath the facefilm that enable a fast, easy, bubble free and dry application.



# Tests Methods & Quality Control

Consistent high quality is extremely important for your workflow and your cost control.

We have put in place precise work and control procedures to supply you with the same consistently high quality products every time.

To enable us to achieve this, our investments include:

- Chilled storage to maintain high gloss finish in rolls of raw material
- Clean room environment where all our coating takes place

Controlled testing of goods across all production is of course a standard at **NU-COAT**.

Our expansive laboratory test methods accurately measure the key physical properties of our products, including gloss level, thickness, shrinkage, whiteness, peel adhesion and tensile strengths.

Tests conducted by our highly qualified laboratory technicians follow standard FINAT, DIN or ISO test methods.

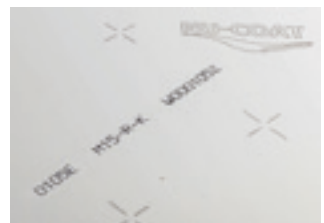
We measure our self-adhesive products performance – tack, adhesion, cohesion – on a range of substrates typically used by our customers, including glass, aluminium and Dibond panels, as well as difficult to stick to LSE (Low Surface Energy) substrates, such as polypropylene (PP), polyester (PET) and polyethylene (PE).

Our evaluations include the tensile strength and elasticity of our range to determine how stretchable or conformable a product is, enabling us to offer guidance on the best self-adhesive product to use for specific applications, be it simple flat panels or more complex curved shapes.

Qualified technical information on products is made readily accessible via QR codes on our samples and marketing literature to give anyone immediate easy access.

We can track and trace back all components and elements of conversion of any finished roll produced, including of course the specifics of adhesive, face film and backing liner.

To compliment this, the liner of all **NU-COAT** materials are printed with traceable codes and batch numbers, enabling you to identify our materials even after the core or packaging has been discarded.



# Environmental Concerns

## Minimising the impact on the environment is an attitude, and it is our attitude.

Environmental policies are nowadays often seen as 'greenwashing'.

As a responsible and trustworthy manufacturer, we will not try to convince you that the industry of self-adhesive digitally printable and sign materials have no impact on the environment.

Instead, we can point out what we do to make a difference, not only in our philosophy, but our daily work and the processes we deploy - it is certainly not perfect for the planet, but the reality today is our industry cannot exist without PVC and oil based products.

UV-curing technology is more modern than the aqueous and solvent methods traditionally used in the Wide-Format industry.

Not requiring dilution, our adhesive is coated as a 'solid', which means:

- No dilution
- No solvents
- No drying ovens
- No post-production handling of chemicals or solvents
- No VOC emissions (Volatile Organic Compounds)



**NU-COAT's compact coating line is only half the size of a tennis court so no need for long, high-energy consumption drying ovens.**

UV-curing at **NU-COAT** saves between 50%-65% of the energy, versus more traditional methods - **this makes a major difference!**

Also smaller machinery offers further environmental advantages, including:

- Smaller premises require less heating and less lighting
- Shorter production set-ups minimises raw material waste



## Our approach from concept to delivery.

### Preserve resources

Despite no specific regulation concerning ozone generated during production, **NU-COAT** decided from the day one to use specific filters, in order to have no impact on the environment.

### Local sourcing

Our raw materials suppliers and our coating facilities are both based in Europe, avoiding the shipment of tons of goods around the world, and supporting local economies.

### Product developments

Where possible PVC-free and oil-free solutions are offered if they can provide a good technically capable alternative.

### Recycling

The packaging of our rolls is made of recycled cardboard whilst 40% of the material used for producing endcaps is recycled.

Raw material and its packaging remnants are returned to the suppliers for reuse.

Non-coated PVC gets back into PVC products production at the suppliers.

Drums used for raw adhesive are processed through a local metal-recycling plant.

### Selective materials

While most manufacturers use 100µ printable PVC films, we reduce PVC content by 20%-25% with thinner but equally opaque films without compromising print processing, cutting or handling.

Our paper suppliers are FSC accredited.

### Heating

The heat generated during our production process is, in part, captured and re-used within the **NU-COAT** building.

### Attitude

Collectively staff constantly review products, processes and procedures to add sustainability to the life-cycle of our products and to minimise waste in all departments.

### We like to innovate!

We are ready, willing and able to provide expertise to help customers create bespoke products and test them utilising our advanced laboratory, coating equipment, knowledge and expertise, plus the support of our world leading suppliers.

### We welcome your enquiries.

**NU-COAT**





# NU-COAT



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