

Scapa Exafit®

cara de espuma para  
montaje en flexografía

High performance  
flexographic tapes for the  
printing and graphics industry





# Product Range

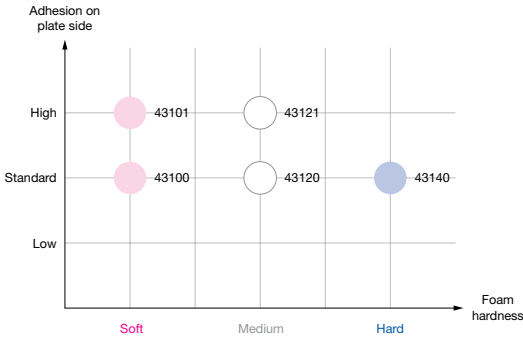
In today's demanding market, the Exafit® range is acclaimed by market leaders for its versatile mounting properties, its thickness consistency, premium quality and performance.

The Exafit® group of mounting tapes can be divided into standard and specialist products, each designed with precision to meet the demanding market requirements.

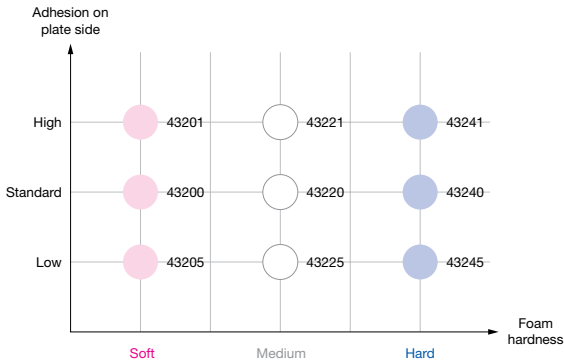
### Scapa Exafit® – standard product range

The Exafit® standard range consists of both 400 and 550 microns thickness products, all of which have different levels of hardness available.

#### 400 microns thick / 15 thou



#### 550 microns thick / 20 thou



### Specialist products

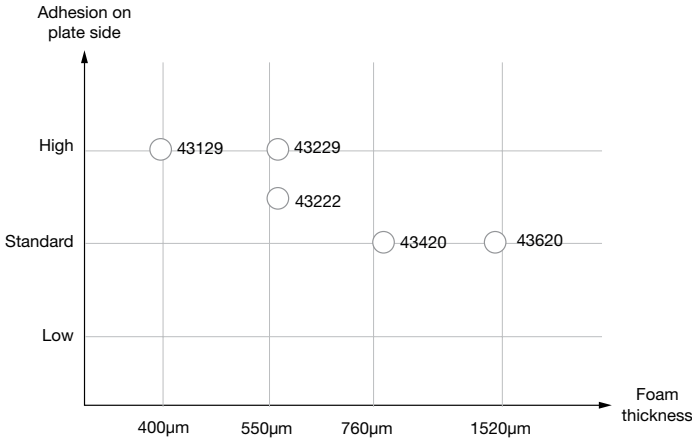
Within the Exafit® range, there is also a range of specialist products developed to meet specific application requirements such as the mounting of large or thick plates.

**43222 (550µm):** Medium hardness foam, intended for use in the paper industry with large or thick plates. Low initial tack allows repositioning of the plate during the mounting process, after which the adhesion level increases to keep the plate in place during the printing process.

**43129 (400µm) & 43229 (550µm):** Reverse wound products are used when it is necessary to mount the plate onto the tape first. Performance levels are comparable with our 43121 & 43221.

**43420 (760µm) & 43620 (1520µm):** Thicker versions of medium hardness foam tapes compared to standard products. These products are ideal for use when it is necessary to compensate for a lack of thickness between the sleeve and the plate.

#### Medium foam hardness





# Why Scapa?

## Key features and benefits

### Unique product construction

There are many manufacturers of plate mounting tapes supplying to the flexographic market, but Scapa's offering is unique in a number of ways, including processing expertise, R&D adhesive technology and product profile, all of which combine to give added advantages to end users in this critical market.

- An embossed plastic liner - to assist in the release of air bubbles during the mounting process and improve printing quality.
- Acrylic adhesive on the plate side ensures a secure bond between the plate and the tape, with differential adhesion levels depending on the printers needs. The specialist adhesive formulation will not damage the plate.
- PET film - reinforced 23µm PET film ensures maximised internal strength to avoid foam delamination and gives holding qualities.
- Cross linked closed cell foam structure for even pressure distribution during print runs and to ensure compression modulus resilience.
- Acrylic adhesive on the cylinder side ensures good adhesion to the cylinder, clean removal and good ageing properties with time. Also, our adhesive formulation ensures great resistance to solvents and chemicals used in the printing industry.

### Exafit® - different product thickness levels

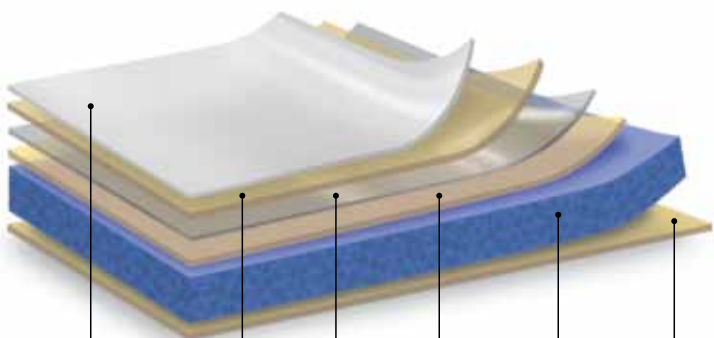
Key products in the range are produced in 400µm and 550µm thickness levels, as these are most common in the printing market. Within these two thickness levels printers can choose between different foam hardness and adhesion levels on the plate side.

For those who have more specific requirements, we can also offer thicker products such as 760µm or even 1520µm.

### Thickness consistency

To ensure the very best printing results are achieved, it is essential that foam hardness and thickness are consistent throughout a print run. This is vital to compensate for irregularities in the thickness of the substrate and to minimise dot gain.

With consistent tolerances of just +/-8µm, Scapa products ensure a high degree of precision to control thickness that will guarantee repeatable high quality printing results even at elevated speeds.



PP Embossed Release Liner

Acrylic Adhesive

PET-Film

Acrylic PSA

Cross Linked PE Foam

Acrylic Adhesive



### Exafit® – 3 different foam hardness levels

Scapa's new range of products are available in three different foam hardness levels depending on the type of print.

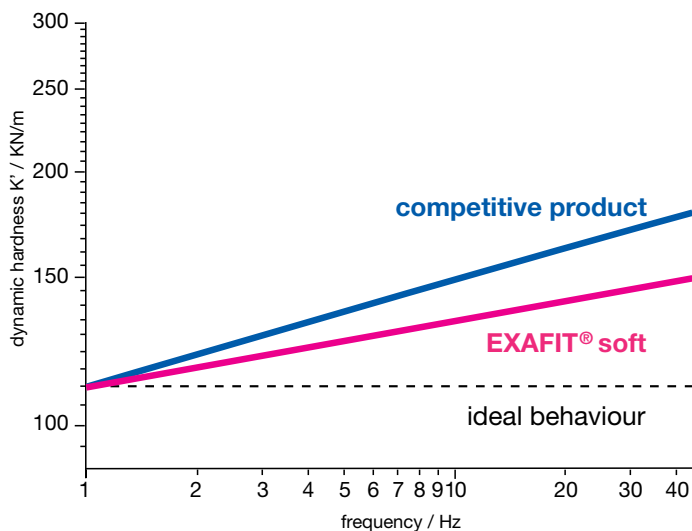
For the finest results in very demanding half-tone printing, Exafit® offer soft pink foam for the best results. For solid print type we recommend our blue range of foams which are harder and ensure better ink transfer.

Medium hard (white) foam is offered for a combination of half-tone and block print.

One of the key requirements for modern printers is the ability to increase machine speeds without influence on the print quality due to increases in foam hardness. This is especially true in the case of demanding half-tone print where the dot quality is vital.

Comprehensive internal testing has shown that the Exafit® range is one of the softest available on the market and remains so even at elevated speeds. Similar patterns of performance at higher machines speeds were also demonstrated by using medium and harder foams.

Foam hardness at increasing machine speed



### Exafit® – adhesive technology

Exafit® products use specialist acrylic adhesive technology on both sides. This allows a strong contact to be maintained between the tape and the plate during the print process. Scapa's acrylic adhesive used in the Exafit® range, also have the added benefit of providing great solvent and chemical resistance.

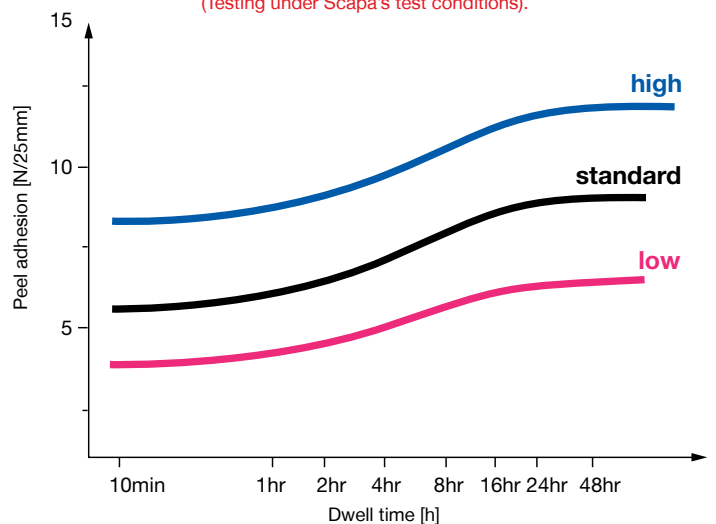
Specialist adhesive formulations allow for easy repositioning during the application of the plate onto the tape. During the setting up of the printing process, adhesion levels will noticeably increase over time to form a very secure bond. Once the print run has been completed the adhesion technology also allows for clean, residue-free removal from the plate and cylinder.

Different levels of adhesion on the plate side ensures the right products for all types of plates:

- Medium level, to meet the most common print requirements.
- Low for more demanding large and thin photopolymer plates.
- High for small cylinders and rigid plates.

Adhesion level vs. application time

(Testing under Scapa's test conditions).





# Your partner, Your solution

Scapa is a leading supplier of technical adhesive tapes and films to major industries such as printing and graphics, medical, transportation and electronics.

Within the printing and graphics market, we have developed highly specialised adhesive foam tapes to ensure high quality printing results which are essential to the flexible packaging markets.

With approaching 90 years of experience in adhesive tapes production, Scapa offers high-technology adhesive solutions for all types of print requirements. Additionally, with over 15 years of working with flexible packaging leaders in the manufacturing of filmic packaging, labels and corrugated paper, we are experienced in working together to find the best solution for your own specific needs.

Offering a wide range of options within our plate mounting tapes to cover the range of print types, speeds, cylinder sizes and print plate types, we have been increasingly successful with our new technologically advanced range of adhesive foam tapes.

We pride ourselves on our innovative approach to delivering new products, which allows us to meet the evolving demands of leading printing manufacturers.

Scapa flexographic products can also be tailored to meet your individual needs. Specialist sales and technical personnel are always on hand to give recommendations on the most appropriate product for your specific application.

**Within the printing and graphics market, adhesive tape technology is seen as the most flexible, clean and easy solution in the printing process.**

Scapa has built strong expertise in printing processes and the Exafit® range already offers consumers an approved range of plate mounting tapes, each tailored precisely to different printing process requirements.

In today's evolving market, photopolymer plates are becoming increasingly thinner and more rigid to improve dot definition and ink transfer. To adapt to these requirements, Scapa has developed a range of compressible foam products that offer different levels of hardness and adherence on the plate side.

Through the use of the right Scapa Exafit® products, printing plates can be mounted smoothly, repositioned easily, and removed simply, all without leaving residue after demounting.

## The Exafit® Range – Product overview

	Low adhesion on plate side	Standard adhesion on plate side	High adhesion on plate side
<b>Soft foam</b> Softer hardness foam tape designed for premium half-tone print results	400µm series - 550µm series 43205	400µm series 43100 550µm series 43200	400µm series 43101 550µm series 43201
<b>Medium foam</b> Medium hardness foam tape designed for superior half-tone and combined print results	400µm series - 550µm series 43225	400µm series 43120 550µm series 43220	400µm series 43121 550µm series 43221
<b>Hard foam</b> Higher hardness foam tape designed for premium block and solid printing	400µm series - 550µm series 43245	400µm series 43140 550µm series 43240	400µm series - 550µm series 43241

Scapa  
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Deutschland, Mannheim  
France, Valence  
Italia, Ghislarengo  
Switzerland, Rorschach  
United Kingdom, Manchester  
United Kingdom, Dunstable

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North America  
Canada, Renfrew  
USA, Inglewood  
USA, Syracuse  
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India, Chennai  
Korea, Anyang  
Korea, Chungyang  
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