



**PRECISION  
POLISHING**



**MICROABRASIVES  
FOR ROTOGRAVURE  
CYLINDERS**



## YOUR PARTNER FOR CYLINDER SURFACE FINISHING

**Biffignandi Spa** was founded in **1923**, and is a leader in the production, conversion and distribution of coated **abrasives** for **almost a century**.

**Precision Polishing** division of Biffignandi Spa is headquartered in Italy and has specialized in the microfinishing and lapping sector. We are focused to cover your **superfinishing process** requirements of printing **cylinder for rotogravure** both for copper and chrome polishing.

- ▢ A **comprehensive range** of consistently high performance microabrasive film.
- ▢ **R&D and production** of innovative microfinishing flexible abrasives.
- ▢ **ECC (Environment Controlled Conversion)** to provide an optimal quality through the prevention of contaminates in the production of rolls, sheets, discs and belts.
- ▢ **Technical support and training** available at either the customer premises or at our in-house demonstration center.
- ▢ **Flexibility and efficient customer service** which has characterized Biffignandi for almost 100 years.



## OUR PRODUCTS CONVERTED INTO

ROLLS STANDARD AND CUSTOMIZED  
SHEETS WITH AND WITHOUT PSA

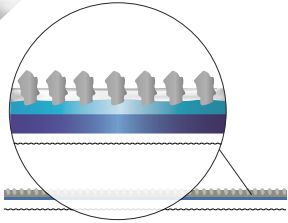


# MICROFINISHING FILM

Microabrasives electrostatically coated on high precision 125 micron film thickness with non-slip backing provide a solution for even the harshest and most aggressive applications, whilst achieving excellent surface finish and consistent results.

## STANDARD PRODUCTS AVAILABLE AT STOCK:

Rolls 100 mm/200 mm X 50 mt  
 Sheets 230 X 280 mm  
 Other sizes and forms available on request



| SERIES | GRIT            | RANGE | µm | 5 | 9 | 12 | 15 | 20 | 30 | 40 | 50 | 60 | 80 | 100 |
|--------|-----------------|-------|----|---|---|----|----|----|----|----|----|----|----|-----|
| FA50   | Aluminium Oxide |       |    | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓   |

ANTISLIP BACK COATING
 BACKING FILM
 BASE COAT
 ABRASIVE GRAIN
 TOP COAT

# POLISHING FILM

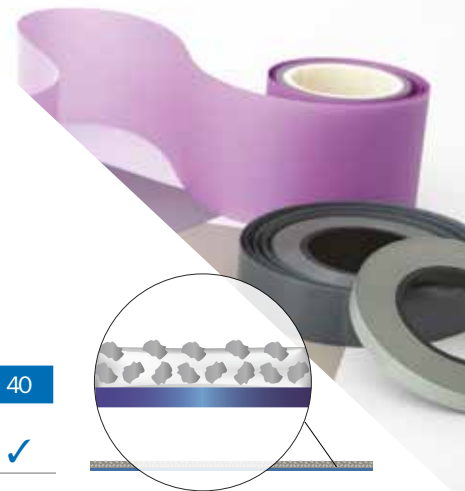
Microabrasive slurry coated on high precision 75 micron film thickness, gives an excellent finish with flexibility and durability.

## STANDARD PRODUCTS AVAILABLE AT STOCK:

Rolls 100 mm/200 mm X 50 mt  
 Sheets 230 X 280 mm  
 Other sizes and forms available on request

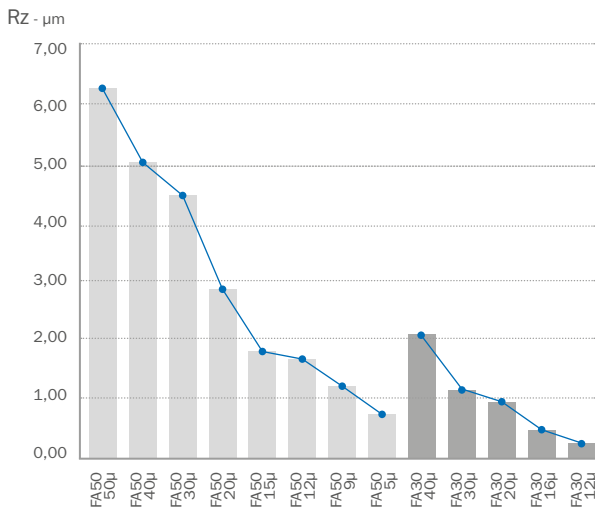
| SERIES | GRIT            | RANGE | µm | 0,5 | 1 | 2 | 3 | 5 | 9 | 12 | 16 | 20 | 30 | 40 |
|--------|-----------------|-------|----|-----|---|---|---|---|---|----|----|----|----|----|
| FA30   | Aluminium Oxide |       |    | ✓   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  |

ABRASIVE GRAIN
 BONDING
 BACKING FILM

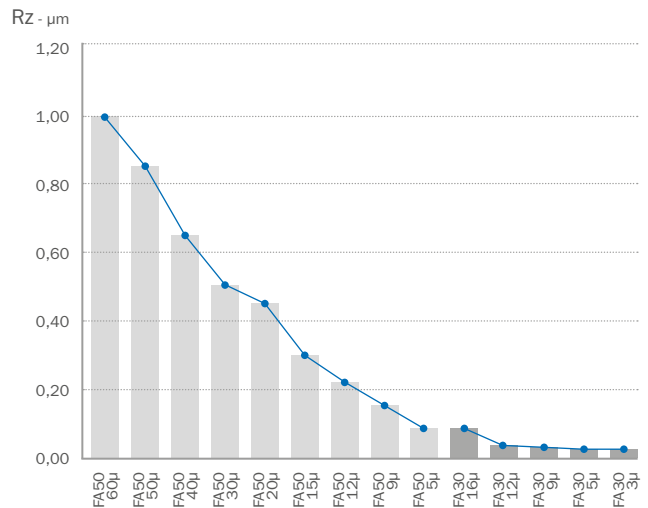


## SUPERFINISHING TEST RESULTS

### COPPER PLATED CYLINDER



### CHROME PLATED CYLINDER



**biffignandi** s.p.a.

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