# FEDRIGONI
PAPER

# ARENA EW ROUGH

Wood-free uncoated papers and boards E.C.F. with FSC® certification. Available in the cool new " Extra White" shade. Excellent look-through and cleanliness make this paper ideal for any graphic project. Rational yet elegant, good for texts, pictures, packaging and illustrations, it works with any printing and post-printing process and performs well with any binding and folding technique.

**RANGE**

| SIZE | GRAIN | SUBSTANCE |
|---|---|---|
| 64X90 | LG | 90 120 170 300 |
| 90X64 | SG | 90 120 |
| 72X102 | LG | 90 120 140 170 300 |
| 102X72 | SG | 90 120 140 170 300 |

**TECHNICAL FEATURES**

ref. standard/instrument unit of measure

| SUBSTANCE | VSA | OPACITY | ROUGHNESS | BRIGHTNESS |
|---|---|---|---|---|
| ISO 536 | ISO 534 | ISO 2471 | ISO 8791-2 | ISO 2470 |
| g/m$^2$ | cm$^3$/g | % | ml/min | % |
| 90 ± 3% | 1,35 | 92 ± 2 | 600 ± 20% | 110% ± 2 |
| 120 ± 3% | 1,35 | 95,5 ± 2 | 700 ± 20% | 110% ± 2 |
| 140 ± 3% | 1,35 | 97 ± 2 | 800 ± 20% | 110% ± 2 |
| 170 ± 5% | 1,38 | 98 ± 2 | 900 ± 20% | 110% ± 2 |
| 300 ± 5% | 1,40 | - | 1200 ± 20% | 110% ± 2 |

Relative Humidity 50% ± 5
ref. TAPPI 502-98

**ECOLOGICAL FEATURES**

FSC MIX Paper from responsible sources FSC® C015523 — ELEMENTAL CHLORINE FREE GUARANTEED — ACID FREE — LONG LIFE ISO 9706 — HEAVY METAL ABSENCE CE 94/62

**NOTES**

The product is completely biodegradable and recyclable.
Special runs available upon request.

# ARENA EW ROUGH

Fedrigoni Arena® Extra White Rough is excellent for de luxe pubblications, diaries, note-books, boxes, greeting cards and announcements, paper binding, envelopes, calendars, catalogues and letterheads.

**APPLICATIONS**

Fedrigoni Arena® Extra White Rough can be used without problems with the main printing processes: traditional and UV or H-UV offset, embossing, hot foil stamping, screen printing, letterpress. The macro-porous surface works best when using semi-oxidative drying inks. Fedrigoni Arena® Extra White Rough has good chromatic and tone performance.

**PRINTING SUGGESTIONS**

Varnishing and plastic laminating must be assessed in advance. Varnishing applied with an offset machine is almost fully absorbed and therefore does not improve gloss or protection. Screenprinting varnishing achieves better results, although it's often necessary to perform two runs to achieve best results. The surface roughness, typical of uncoated papers, may give rise to micro defects with plastic laminating caused by incomplete adhesion of the film to the paper.
Good results are achieved with major processing operations such as cutting, die-cutting, scoring, folding and gluing.

**CONVERTING SUGGESTIONS**

# FEDRIGONI
PAPER

# ARENA IVORY ROUGH

Wood-free uncoated papers and boards E.C.F. with FSC® certification. Available in the bright new "Ivory" shade. Rational yet elegant, good for texts, pictures, packaging and illustrations, it works with any printing and post-printing process and performs well with any binding and folding technique.

| SIZE | GRAIN | SUBSTANCE |
|------|-------|-----------|
| 64X90 | LG | 90  100  120  140  170 |
| 90X64 | SG | 90  120 |
| 72X102 | LG | 90  100  120  140  170  250  300 |
| 102X72 | SG | 90  120  140  170  300 |

RANGE

| SUBSTANCE | VSA | OPACITY | ROUGHNESS | BRIGHTNESS |
|-----------|-----|---------|-----------|------------|
| ISO 536 | ISO 534 | ISO 2471 | ISO 8791-2 | ISO 2470 |
| g/m² | cm³/g | % | ml/min | % |
| | | | | |
| 90 ± 3% | 1,35 | 88,5 ± 2 | 600 ± 20% | 72% ± 2 |
| 100 ± 3% | 1,35 | 90 ± 2 | 600 ± 20% | 72% ± 2 |
| 120 ± 3% | 1,35 | 92 ± 2 | 700 ± 20% | 72% ± 2 |
| 140 ± 3% | 1,35 | 94 ± 2 | 800 ± 20% | 72% ± 2 |
| 170 ± 3% | 1,35 | 95,5 ± 2 | 1000 ± 20% | 72% ± 2 |
| 250 ± 5% | 1,38 | - | 1200 ± 20% | 72% ± 2 |
| 300 ± 5% | 1,40 | - | 1200 ± 20% | 72% ± 2 |

TECHNICAL
FEATURES
ref. standard/instrument
unit of measure

Relative Humidity 50% ± 5
ref. TAPPI 502-98

ECOLOGICAL
FEATURES

FSC MIX Paper from responsible sources FSC® C015523 — ELEMENTAL CHLORINE FREE GUARANTEED — ACID FREE — LONG LIFE ISO 9706 — HEAVY METAL ABSENCE CE 94/62

The product is completely biodegradable and recyclable.
Special runs available upon request.

NOTES

# ARENA IVORY ROUGH

Fedrigoni Arena® Ivory Rough is excellent for de luxe pubblications, diaries, note-books, packagings, greeting cards and announcements, paper binding, envelopes, calendars, catalogues and letterheads.

**APPLICATIONS**

Fedrigoni Arena® Ivory Rough can be used without problems with the main printing processes: traditional and UV or H-UV offset, embossing, hot foil stamping, screen printing, letterpress.
The macro-porous surface works best when using semi-oxidative drying inks. Fedrigoni Arena® Ivory Rough has good chromatic and tone performance.

**PRINTING SUGGESTIONS**

Varnishing and plastic laminating must be assessed in advance. Varnishing applied with an offset machine is almost fully absorbed and therefore does not improve gloss or protection. Screenprinting varnishing achieves better results, although it's often necessary to perform two runs to achieve best results. The surface roughness, typical of uncoated papers, may give rise to micro defects with plastic laminating caused by incomplete adhesion of the film to the paper.
Good results are achieved with major processing operations such as cutting, die-cutting, scoring, folding and gluing.

**CONVERTING SUGGESTIONS**

# FEDRIGONI
## PAPER

# ARENA WHITE ROUGH

Wood-free uncoated papers and boards E.C.F. with FSC® certification. Available in the new warm "White" shade. Excellent look-through and cleanliness make this paper ideal for any graphic project. Rational yet elegant, good for texts, pictures, packaging and illustrations, it works with any printing and post-printing process and performs well with any binding and folding technique.

**RANGE**

| SIZE | GRAIN | SUBSTANCE |
|------|-------|-----------|
| 64X90 | LG | 90  120  170  300 |
| 72X102 | LG | 90  120  140  170  300 |

**TECHNICAL FEATURES**
ref. standard/instrument
unit of measure

| SUBSTANCE | VSA | OPACITY | ROUGHNESS | BRIGHTNESS |
|-----------|-----|---------|-----------|------------|
| ISO 536 | ISO 534 | ISO 2471 | ISO 8791-2 | ISO 2470 |
| g/m$^2$ | cm$^3$/g | % | ml/min | % |
| | | | | |
| 90 ± 3% | 1,35 | 90 ± 2 | 600 ± 20% | 102% ± 2 |
| 120 ± 3% | 1,35 | 92 ± 2 | 700 ± 20% | 102% ± 2 |
| 140 ± 3% | 1,35 | 95 ± 2 | 800 ± 20% | 102% ± 2 |
| 170 ± 5% | 1,38 | 96 ± 2 | 900 ± 20% | 102% ± 2 |
| 300 ± 5% | 1,40 | - | 1200 ± 20% | 102% ± 2 |

Relative Humidity 50% ± 5
ref. TAPPI 502-98

**ECOLOGICAL FEATURES**

The product is completely biodegradable and recyclable.
Special runs available upon request.

**NOTES**

# ARENA WHITE ROUGH

Arena White Rough  is excellent for de luxe pubblications, diaries, note-books, boxes, greeting cards and announcements, paper binding, envelopes, calendars, catalogues and letterheads.

Arena White Rough can be used without problems with the main printing processes: traditional and UV or H-UV offset, embossing, hot foil stamping, screen printing, letterpress. The macro-porous surface works best when using semi-oxidative drying inks. Printing densities, dot gain and printing contrast are at the highest performance levels obtainable from uncoated papers.

Varnishing and plastic laminating must be assessed in advance. Varnishing applied with an offset machine is almost fully absorbed and therefore does not improve gloss or protection. Screenprinting varnishing achieves better results, although it's often necessary to perform two runs to achieve best results. The surface roughness, typical of uncoated papers, may give rise to micro defects with plastic laminating caused by incomplete adhesion of the film to the paper.
Good results are achieved with major processing operations such as cutting, die-cutting, scoring, folding and gluing.

# FEDRIGONI
PAPER

# ARENA NATURAL ROUGH

Wood-free uncoated papers and boards E.C.F. with FSC® certification. The new "Natural" white shade is obtained without using Optical Brightening Agents (OBA Free). Excellent look-through and cleanliness make this paper ideal for any graphic project. Rational yet elegant, good for texts, pictures, packaging and illustrations, it works with any printing and post-printing process and performs well with any binding and folding technique.

| SIZE | GRAIN | SUBSTANCE |
|---|---|---|
| 64X90 | LG | 90 100 120 140 300 |
| 90X64 | SG | 90 120 |
| 72X102 | LG | 90 100 120 140 200 300 |
| 102X72 | SG | 90 120 140 300 |

| SUBSTANCE | VSA | OPACITY | ROUGHNESS | BRIGHTNESS |
|---|---|---|---|---|
| ISO 536 | ISO 534 | ISO 2471 | ISO 8791-2 | ISO 2470 |
| g/m² | cm³/g | % | ml/min | % |
| | | | | |
| 90 ± 3% | 1,35 | 90 ± 2 | 600 ± 20% | 89% ± 2 |
| 100 ± 3% | 1,35 | 92 ± 2 | 600 ± 20% | 89% ± 2 |
| 120 ± 3% | 1,35 | 93 ± 2 | 700 ± 20% | 89% ± 2 |
| 140 ± 3% | 1,35 | 95 ± 2 | 800 ± 20% | 89% ± 2 |
| 200 ± 5% | 1,38 | - | 950 ± 20% | 89% ± 2 |
| 300 ± 5% | 1,4 | - | 1200 ± 20% | 89% ± 2 |

FSC MIX Paper from responsible sources FSC® C015523 · ELEMENTAL CHLORINE FREE GUARANTEED · ACID FREE · LONG LIFE ISO 9706 · HEAVY METAL ABSENCE CE 94/62

The product is completely biodegradable and recyclable.
Special runs available upon request.

Envelopes available on stock.

UNI EN ISO 9001:2015 – CQ 539
UNI EN ISO 14001:2015 – CQ 7847
UNI EN ISO 45001:2018 – CQ 26471

# ARENA NATURAL ROUGH

Arena Natural Rough is excellent for de luxe pubblications, diaries, note-books, packagings, greeting cards and announcements, paper binding, envelopes, calendars, catalogues and letterheads.

**APPLICATIONS**

Arena Natural Rough can be used without problems with the main printing processes: traditional and UV or H-UV offset, embossing, hot foil stamping, screen printing, letterpress. The macro-porous surface works best when using semi-oxidative drying inks. Fedrigoni Arena® Natural Rough has good chromatic and tone performance.

**PRINTING SUGGESTIONS**

Varnishing and plastic laminating must be assessed in advance. Varnishing applied with an offset machine is almost fully absorbed and therefore does not improve gloss or protection. Screenprinting varnishing achieves better results, although it's often necessary to perform two runs to achieve best results. The surface roughness, typical of uncoated papers, may give rise to micro defects with plastic laminating caused by incomplete adhesion of the film to the paper.
Good results are achieved with major processing operations such as cutting, die-cutting, scoring, folding and gluing.

**CONVERTING SUGGESTIONS**