

# European Paper for Recycling



**Methodology and price specifications – January 2019**

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## Mission statement

Fastmarkets is a leading commodity price reporting agency (PRA) covering the metals, mining, minerals and forest products industries. Our products include Metal Bulletin, American Metal Market, RISI, FOEX, Random Lengths and Industrial Minerals. For more than 100 years we have been providing commodities price reporting services for use by market participants in their day-to-day commercial activities. These services include assessments and indices of commodity prices as well as news, research and commentary on the underlying markets.

Our mission is to meet the market's data requirements honestly and independently, acting with integrity and care to ensure that the trust and confidence placed in the reliability of our pricing methodologies is maintained. We do not have a vested interest in the markets on which we report.

## Introduction

Fastmarkets RISI is the leading global provider of pricing intelligence for the pulp and paper markets and has been producing price assessments since the 1970's.

Fastmarkets' reporters are required to abide by a code of conduct and clear pricing procedures during their market reporting and pricing activities. Fastmarkets is completely independent and has no vested commercial interest in any of the markets it prices.

We are the world's largest dedicated forest products price reporting team. We have offices in New York, Boston, Oakland, Eugene, Charlottesville, Atlanta, Brussels, Helsinki, Beijing, Shanghai, Singapore and Sao Paulo.

The aim of this document is to provide a clear overview of Fastmarkets RISI's European graphic paper methodology and specifications for the prices it assesses. If you have any questions, please contact Fastmarkets Forest Products' Senior VP of Indices, Matt Graves, at [matt.graves@fastmarkets.com](mailto:matt.graves@fastmarkets.com).

## Price discovery process and methodology

### Methodology Rationale

Fastmarkets RISI produces independent, fair and representative price assessments and indices for European paper for recycling on a monthly basis. Fastmarkets RISI's rationale is to adopt and develop the price discovery process and the methodology described in the present guide to produce assessments that are a consistent and representative indicator of value of the market to which they relate for the trading period they measure.

During the price discovery process, the price reporter's goal is to discover at what representative level market participants have concluded business, made offers or received bids over a certain defined trading period – generally the calendar month indicated. If, for instance, the assessment is labelled “March”, Fastmarkets RISI editors will consider prices for orders placed between March 1<sup>st</sup> and 31<sup>st</sup>.

If March is the current month, Fastmarkets RISI editors will consider orders placed in the month to date. Price assessments reflect the prevailing open market price at the time of publication.

The time period, or window, identified to assess a market (e.g., daily, bi-weekly, weekly, monthly) is determined by Fastmarkets RISI after considering the number of data points that Fastmarkets RISI can reasonably expect to collect on a consistent basis over the selected period to support the price assessment process.

### Data collection criteria

Fastmarkets RISI reporters aim to talk to a broad sample of market participants specifically involved in the buying and selling of the packaging paper and board grade of interest, with a good representation of both sides of the market, including producers and consumers, as well as traders.

Data is collected from market participants directly involved in contract business primarily by telephone, but also by email, digital messaging or direct submission. All input data received is kept confidential and stored in a secure network.

Fastmarkets RISI's Data Submitter Policy provides guidelines to ensure the high level of data quality and integrity that we expect from contributing organizations providing pricing data. The policy can be found on Fastmarkets RISI's website or is available upon request.

Fastmarkets RISI encourages data sources to provide data on all their concluded transactions and welcomes provision of data from employees in back office functions. Fastmarkets RISI may sign Data Submitter Agreements (DSAs) with any data provider, if requested to do so.

Depending on market liquidity, Fastmarkets RISI reserves the right to also base its prices on bids, offers, deals heard and market participants' assessment or indication of prevailing values.

### **Price specifications and reference units**

Fastmarkets RISI has clear specifications for all the price points that it covers. All the reference units, such as currency and volume, are in line with recognized paper for recycling markets trading conventions.

Fastmarkets RISI's specifications detail the material's characteristics or quality, location, incoterm, payment terms and the minimum volume accepted. These specifications are determined in consultation with market participants and following industry convention. Reporters ensure that the information they receive matches these specifications.

### **Guidelines on the use of judgement**

To produce the price assessment, greater weighting is generally given to actual concluded transaction data; bids/offers are second in order of importance, followed by data sources' own assessment of the market when they have no business to report. However, other considerations might also intervene such as, the trustworthiness of a data source based on past data submissions, or their willingness to provide data on a consistent basis.

In the absence of sufficient transaction data, bids and offers or other actual price information, Fastmarkets RISI reserves the right to use other factors to determine the assessment. These include:

- market participants' trigger prices;
- market participants' reports of the change in prices from previously assessed periods;
- market fundamentals such as changes in inventory levels, shipments, operating rates and export volumes;
- relative values of similar commodities in the same region;
- relative values of the same commodity in different regions;
- changes in the value of the commodity's primary feedstock or primary derived product(s).

In very opaque markets, where little actual market data is available, price developments may at times not be immediately apparent. If Fastmarkets RISI price assessors detect this, their market assessments in the next reporting period would generally reflect the price change. This is in line with Fastmarkets RISI's policy of acting on new information as it becomes available.

All Fastmarkets RISI price specifications define the minimum lot size accepted. When volume information is available, this is also taken into consideration in the assessment process. For instance, typically a deal with a bigger volume will carry more weight in the price reporter's judgement than a smaller volume transaction. However, price reporters will also consider, for instance, to normalize or discard a price reported for a deal with an abnormally large or small volume.

As commodity markets differ in liquidity level at different periods, the methodology does not set any minimum number, or threshold, of transactions to be gathered on which to base the assessment.

The weighting of any single data provider's data is limited so that it doesn't dominate the assessment. For key benchmark prices, this cap is more formal: no single data provider's data will be weighted so that it contributes more than 25% of the final assessment. For other assessments the cap is set at 50%.

### **Criteria to discard pricing data**

Data are excluded from the assessment in the following cases:

- The price of a transaction is indexed to published prices from Fastmarkets RISI or other sources.
- A transaction price is considered "indexed" when it is entirely determined according to a formula based on a published price assessment. However, even when parties have a long-term index-priced contract (i.e. stipulation that each month's price will be determined based on a published price assessment), they may sometimes supersede the contract terms by choosing to determine a given month's price by negotiation. For instance, this can happen if parties negotiate and agree on the price for a given month before that month's Fastmarkets RISI price assessment has been published. In a case like this, even though the overall contract is indexed, the given month's price is not considered indexed and would thus be included in that month's price assessment.
- The transactions don't meet the assessment specifications. (See "Specifications" section below.)
- The transaction has special circumstances that, in the price assessor's judgment, render it unrepresentative of the broader market and/or not repeatable.
- The transaction is between affiliated companies.

### **Procedure to ensure consistency in the price discovery procedures**

All Fastmarkets RISI price assessments are set by a first reporter who covers that specific market, peer reviewed by a second reporter, and always signed-off and approved by a senior reporter or editor prior to publication. This peer review process is in place to make sure that pricing procedures and methodologies are correctly and consistently applied and to ensure integrity and quality of the published prices.

Price reporters are formally trained in the price discovery process and must abide by a written Code of Conduct and pricing procedures.

On a regular basis, Fastmarkets RISI staff reviews markets and methodologies to ensure that assessment methodologies and the assessments they produce are appropriate for the market. Fastmarkets RISI has also committed to conducting one external audit per year of one key assessment.

### **Publication of the price assessment**

At the end of the pricing session, Fastmarkets RISI reviews the pricing information it receives to set a price range to reflect the representative spread of prices at which business has been transacted, offered or bid.

## Methodology and specification review process

Fastmarkets RISI continually develops and revises its methodologies in consultation with industry participants, aiming to adopt product specifications and trading terms and conditions that actually reflect and are representative of typical working practices in the industry. Changes to the methodology and/or price specification are implemented following a consultation process which starts with Fastmarkets RISI posting on its website an advance coverage note providing clear details and a timeframe for the change proposed. The objective of the consultation process is to give market participants sufficient time and opportunity to provide feedback and views about the change proposed.

For more details on the formal review of the methodology and the consultation process to propose changes to the methodology, refer to Fastmarkets RISI's Methodology Review and Change Consultation Process available on Fastmarkets RISI's website.

## Price correction policy

Publication of price errors can occasionally happen for reasons that may include technical input errors or incorrect application of the methodology. To minimize the inconvenience to our subscribers, Fastmarkets RISI aims to investigate each error as soon as it becomes aware of it and to publish a correction promptly on our website through a coverage note with an explanation of the reason for the correction.

Fastmarkets RISI will publish a correction of a price only where it has established undeniably that there has been an error. Fastmarkets RISI price assessments are produced based on the best data available at

the time of the assessment. It will not retroactively change a price based on new information or additional submission of data received after a respective pricing session has closed.

Occasionally, in very opaque markets, price developments may not become apparent for some time. If this happens, Fastmarkets RISI reserves the right to adjust a price series upwards or downwards to bring it back in-line with market values. Such cases should not be considered corrections but rather non-market price adjustments. A retroactive correction of the price history would not normally be made.

Fastmarkets RISI has a very structured process for such non-market adjustments, similar to that for changes to methodologies and specifications. They would only be implemented after industry consultation. Ample notice would be given of the proposed adjustment and stakeholders would have the chance to send their feedback.

## Become a contributor to the price discovery process

Fastmarkets continually seeks to increase the number of market sources willing to take part in the price discovery process. The main condition Fastmarkets requires from contributors is for them to be active participants in the market. Fastmarkets' Data Submitter Policy provides guidelines defining the high level of data quality and integrity that Fastmarkets expects from contributing organization providing pricing data. Market participants that wish to provide pricing data and be part of the price discovery process should first read the Data Submitter Policy available on the Fastmarkets website.

All data sources are subject to review before their data submitted is fully taken into account in the pricing process. The aim is to make sure that submitters are trustworthy and have sufficient visibility and understanding of the market to be able to provide viable price data.

If you want to become a contributor to Fastmarkets pricing or have questions or comments about the methodology and price specifications, please contact Fastmarkets Forest Products' Senior VP of Indices, Matt Graves, at [matt.graves@fastmarkets.com](mailto:matt.graves@fastmarkets.com).



## Price specifications

Numerical references reflect CEPI grades.

### UNITED KINGDOM

Assessment: **1.02 – Mixed P&B (sorted)**

Quantity: To be confirmed

Location: UK

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: British Pound (Euro equivalents also provided based on previous day's close published by OANDA)

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the first full week of the month.

Price ID: 108

Assessment: **1.05 – Old Corrugated Containers**

Quantity: To be confirmed

Location: UK

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: British Pound (Euro equivalents also provided based on previous day's close published by OANDA)

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the first full week of the month.

Price ID: 441

Assessment: **1.11 – Sorted Graphic Paper for Deinking**

Quantity: To be confirmed

Location: UK

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: British Pound (Euro equivalents also provided based on previous day's close published by OANDA)

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the first full week of the month.

Price ID: 116

Assessment: **2.01 – Newspapers**

Quantity: To be confirmed

Location: UK

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: British Pound (Euro equivalents also provided based on previous day's close published by OANDA)

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the first full week of the month.

Price ID: 120

Assessment: **2.08 – Colored Woodfree Magazines**

Quantity: To be confirmed

Location: UK

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: British Pound (Euro equivalents also provided based on previous day's close published by OANDA)

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the first full week of the month.

Price ID: 506

Assessment: **Multigrade**

Quantity: To be confirmed

Location: UK

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: British Pound (Euro equivalents also provided based on previous day's close published by OANDA)

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the first full week of the month.

Note: This grade is a blend of coated and uncoated woodfree paper and its quality is not covered by the EN 643 standard developed by CEPI and BIR.

Price ID: 1050

## GERMANY

Assessment: **1.02 – Mixed P&B (sorted)**

Quantity: To be confirmed

Location: Germany

Incoterm: Free delivered

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the second week of the month.

Price ID: 106

**Assessment: 1.04 – Supermarket Corrugated P&B**

Quantity: To be confirmed

Location: Germany

Incoterm: Free delivered

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the second week of the month.

Price ID: 110

**Assessment: 1.04 – Supermarket Corrugated P&B (export)**

Quantity: To be confirmed

Location: Germany

Incoterm: Free alongside ship, to main ports in Asia

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the second week of the month.

Price ID: 528

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Assessment: **1.11 – Sorted Graphic Paper for Deinking**

Quantity: To be confirmed

Location: Germany

Incoterm: Free delivered

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the second week of the month.

Price ID: 114

Assessment: **2.01 – Newspapers**

Quantity: To be confirmed

Location: Germany

Incoterm: Free delivered

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the second week of the month.

Price ID: 118

Assessment: **3.10 – Multi Printing**

Quantity: To be confirmed

Location: Germany

Incoterm: Free delivered

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the second week of the month.

Price ID: 509

Assessment: **3.14 – White Newsprint**

Quantity: To be confirmed

Location: Germany

Incoterm: Free delivered

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the second week of the month.

Price ID: 510

Assessment: **3.18.01 – White Uncoated Woodfree Shavings**

Quantity: To be confirmed

Location: Germany

Incoterm: Free delivered

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the second week of the month.

Price ID: 511

## FRANCE

Assessment: **1.02 – Mixed P&B (sorted)**

Quantity: To be confirmed

Location: France

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the third week of the month.

Price ID: 107

Assessment: **1.05 – Old Corrugated Containers**

Quantity: To be confirmed

Location: France

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the third week of the month.

Price ID: 460

Assessment: **1.11 – Sorted Graphic Paper for Deinking**

Quantity: To be confirmed

Location: France

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the third week of the month.

Price ID: 115

Assessment: **2.02 – Unsold Newspapers**

Quantity: To be confirmed

Location: France

Incoterm: Ex-Works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the third week of the month.

Price ID: 119

Assessment: **2.08 – Colored Woodfree Magazines**

Quantity: To be confirmed

Location: France

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the third week of the month.

Price ID: 513



Assessment: **3.18 – White Woodfree Shavings**

Quantity: To be confirmed

Location: France

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the third week of the month.

Price ID: 512

## ITALY

Assessment: **1.02 – Mixed P&B (sorted)**

Quantity: To be confirmed

Location: Italy

Incoterm: Free delivered

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the fourth week of the month.

Price ID: 109

Assessment: **1.05 – Old Corrugated Containers**

Quantity: To be confirmed

Location: Italy

Incoterm: Free delivered

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the fourth week of the month.

Price ID: 452

**Assessment: 1.11 – Sorted Graphic Paper for Deinking**

Quantity: To be confirmed

Location: Italy

Incoterm: Free delivered

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the fourth week of the month.

Price ID: 117

**Assessment: 2.01 – Newspapers**

Quantity: To be confirmed

Location: Italy

Incoterm: Free delivered

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the fourth week of the month.

Price ID: 121

Assessment: **3.05 – White Woodfree Letters**

Quantity: To be confirmed

Location: Italy

Incoterm: Free delivered

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Monthly. Usually on the Thursday of the fourth week of the month.

Price ID: 505

## SPAIN

Assessment: **1.01 – Mixed P&B (unsorted)**

Quantity: To be confirmed

Location: Spain

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Quarterly. Monthly prices are published retroactively for the three previous months in the first week of the quarter.

Price ID: 497

Assessment: **1.02 – Mixed P&B (sorted)**

Quantity: To be confirmed

Location: Spain

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Quarterly. Monthly prices are published retroactively for the three previous months in the first week of the quarter.

Price ID: 498

Assessment: **1.04 – Supermarket Corrugated P&B**

Quantity: To be confirmed

Location: Spain

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Quarterly. Monthly prices are published retroactively for the three previous months in the first week of the quarter.

Price ID: 499

Assessment: **2.01 – Newspapers**

Quantity: To be confirmed

Location: Spain

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Quarterly. Monthly prices are published retroactively for the three previous months in the first week of the quarter.

Price ID: 500

Assessment: **2.08 – Colored Woodfree Magazines**

Quantity: To be confirmed

Location: Spain

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Quarterly. Monthly prices are published retroactively for the three previous months in the first week of the quarter.

Price ID: 501

Assessment: **3.05 – White Woodfree Letters**

Quantity: To be confirmed

Location: Spain

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Quarterly. Monthly prices are published retroactively for the three previous months in the first week of the quarter.

Price ID: 502

Assessment: **3.18 – White Woodfree Shavings**

Quantity: To be confirmed

Location: Spain

Incoterm: Ex-works

Timing: Reflects prices agreed in the month to date.

Unit: Tonne

Currency: Euro

Payment terms: Assume normal and customary payment terms. Where discounts are offered for faster payment, prices do not reflect these discounts.

Price Type: Prices for regular contract business between unaffiliated companies, only between traders and paper mills. Excludes spot/secondary market transactions as well as transactions indexed to a published price.

Assessment Type: High/Low range assessment

Publication: Quarterly. Monthly prices are published retroactively for the three previous months in the first week of the quarter.

Price ID: 503

## Revision History

Changes to methodology and specifications will be tracked here.

### January 2019 – Fastmarkets rebranding

Fastmarkets RISI revamped all methodology and specifications guides, including Europe Paper for Recycling, in January 2019 as part of a company-wide rebranding. This was done to improve the consistency of content across all Fastmarkets methodology guides and to give them a common look and feel.

The methodologies were not changed materially during this process unless otherwise noted, however additional detail was added on minimum transaction volumes considered, assessment windows and whether the assessments were intended to reflect prices at the time of publication or average prices over a certain period prior to that.

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