



THE  
**NAVIGATOR**  
COMPANY

# New decade, new changes

As we continue to pursue even greater standards in quality and optimization, this year we are focused on looking to provide better service solutions and an even more stable product quality.

## Key changes:

- 171 CIE Whiteness to the 169 CIE Whiteness
- Weight goes from 110g to 120g
- Specific technical changes in heavy weight paper

## This allows us to guarantee:

### Product Consistency

Same Pre-Print grade and technical characteristics available in all markets.

### Quality Consistency

With longer production runs, our paper machines will operate at a more regular rate, guaranteeing top quality.

### Service Level

With more production runs and additional volume per run, product availability will increase.

### Higher Standards

Standardizing preprint range, maintaining a high quality reference products in all markets.

## New Pre-Print grade Technical Specifications:

	Reference	75 g/m <sup>2</sup>	80 g/m <sup>2</sup>	90 g/m <sup>2</sup>	100 g/m <sup>2</sup>	120 g/m <sup>2</sup>	135 g/m <sup>2</sup>	160 g/m <sup>2</sup>	250 g/m <sup>2</sup>	300 g/m <sup>2</sup>
Whiteness CIE	ISO 11475	169	169	169	169	169	169	169	169	169
Opacity %	ISO 2471	93	95	96	97	98	98	99	100	100
Moisture %	ISO 287	5,0	5,0	5,0	5,2	5,2	5,4	5,4	5,4	5,4
Bendtsen Roughness ml/min	ISO 879/2	180	150	150	100	80	130	140	200	230
Thickness µm	ISO 534	103	108	114	118	133	157	184	304	360
Bulk µm/g.m <sup>2</sup>	—	1,37	1,35	1,27	1,18	1,11	1,16	1,15	1,22	1,20

These changes apply from 1<sup>st</sup> of April of 2021.

All mill brands will have only one single grade of Pre-Print folio and reels in all weights. Cutsizes and Offset will remain unchanged.



PRODUCED  
IN PORTUGAL BY  
**THE NAVIGATOR  
COMPANY**



The mark of  
responsible forestry



EU Ecolabel:  
PT/011/002