

Xerox® Revolution NeverTear™

Product Overview

Coated, C2S, durable polyester (synthetic) paper

Product Specifications

Caliper range:

White: 5, 8, 10, 14 mil

Sheet Size:

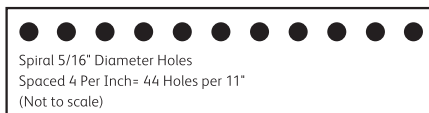
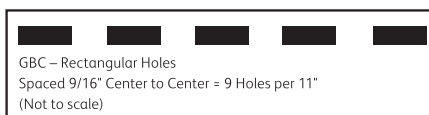
- 8.5 x 11", 8.5 x 11" 3 Hole Punch, 11 x 17", 12 x 18", 14.33 x 20.5"
- Custom sizes available

Design Specifications

- One inch (1") margin on both the trail and lead edge of the sheet is recommended. However, a two inch (2") margin may be required to eliminate the occurrence of Edge Deletion Artifacts when printing 3 and 4 color process colors.
- It is not recommended to print saturated reds and browns.

Custom Options

- Hole Punching: Hole-punches are applied in such a manner that sheet stiffness and structure are maintained. A variety of hole-punch options on the long and short edge of the sheet are available. The standard hole diameter is 5/16", with several other sizes (1/8", 1/4", 3/8") available.



- Hole-punching and other requirements should be defined within the purchase order.

Pre-Perfed and Punched

Minimum Perfed and Punched Orders need to be 10,000 sheets.

Punching

- All Xerox® Revolution NeverTear™ can be ordered Punched.
- Any configuration around parameter of sheet.
- GBC, Spiral, Wire-O, 3 Hole Punch

Perforation

- 5 and 8 mil Xerox® Revolution NeverTear™ can be ordered Perforated.
- Due to the nature of the material, a micro-perf is highly recommended (50+ TPI).
- Multiple, cross directional perfs are possible.

Self Punching and Perfiging Guide

Xerox® Revolution NeverTear™ is a synthetic and does not have a grain direction.

Please consider the following recommendations when punching or perfiging this material:

- Any required hole cutting should be performed by means of punching or die cutting.
- Drilling should be avoided because heat generated by drilling can cause welding together of the material around the edges of the holes.
- Perforations of 50 teeth per inch (TPI) or greater are recommended for best results.
- Testing is recommended to determine optimum pressure and depth of cut.

Self Cutting Guide

Xerox® Revolution NeverTear™ is a polyester-based synthetic material that can be cut on a standard guillotine paper cutter.

Please consider the following recommendations when guillotine cutting this material:

- The quality of the cut is most dependent on the quality and condition of the cutting blade, which must be sharp and free of nicks.
- Any sign of chipping or slivering at the cut edge is a sign the blade needs to be sharpened.
- It is recommended that the blade be honed daily.
- It is recommended that lift heights be no more than one half the rated capacity of the cutter.
- It is recommended that a chip board be placed on top of every lift prior to cutting to prevent the false clamps from leaving any markings.
- It is recommended to keep the clamp pressure low.

Xerox® Revolution NeverTear™

Physical Data

Paper Type	Caliper	Basis Weight	Brightness	Opacity
White	5 mil	135 g/m ²	94	94
White	8 mil	230 g/m ²	94	97
White	10 mil	300 g/m ²	94	99
White	14 mil	450 g/m ²	94	99

Run Instructions

- Media must be acclimated in the original sealed package at printer environment for at least 24 hours and up to four days for full pallets.
- Fan sheets on short edge gently before loading into the feed drawer.
- Fan sheets to dissipate heat build-up between the sheets after fusing.
- Sheets should not be guillotine trimmed prior to imaging.
- **IMPORTANT:** For optimum image quality and reliability, maintain printer room Relative Humidity at 45 % or higher. Printer room Relative Humidity of 40 – 45 % may require A/B Transfer Voltage and fusing adjustments for best image quality results. Printer room Relative Humidity conditions of less than 40 % are not recommended.
- A one inch (1") margin on both the trail and lead edge of the sheet is recommended. However, a two inch (2") margin may be required to eliminate the occurrence of Edge Deletion Artifacts when printing 3 and 4 color process colors.
- Multiple 3 and 4 color process solids may be more prone to image quality artifacts such as streaks and mottle.
- Transfer current recommendations listed in this Technical Sheet are intended to be "start point" target values that may have to be adjusted depending on printer room Relative Humidity (% RH), artwork composition and/or printer condition to obtain optimum image quality.
- Static build-up may occur during long runs and may interfere with running and/or stacking of media.
- When consecutively printing more than 1,000 sheets, it may be necessary to run plain paper that is the same size as the synthetic media every 500 sheets in order to clean residual fuser oil from the fuser section.
- It is highly recommended that the End User try a sample before purchasing significant quantities. Please contact your Account Representative or visit xeroxpaperUSA.com/samples.

Offset Litho Printing Guidelines

- Use fully oxidizing inks specifically formulated for polyester materials (standard paper grade oxidizing inks are not suitable).
- Ensure all traces of oil-based inks and varnishes are removed from the ink delivery system.
- Run press as dry as possible, since excessive damping will retard drying.
- Check suitability of product for printed matter and process e.g. images achieved using 1 print station on paper may require 2 print stations for polyester grades.
- Run 4 color work in one pass. It is not advisable to run 4 color work on polyesters using a single or 2 color press. Avoid excessive use of spray powder. Use a light coating only. Do not use dissolvable spray powder as this will affect the keying process.
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use dissolvable spray powder as this will affect the keying process.

- If material is to be subsequently laser or copier printed, ensure the correct laser compatible inks are used and the ink has completely cured (at least 7 days).

Care and Handling Instructions

- Handle the paper by the edges to avoid scratching, scuffing and fingerprints.
- Store product in the same temperature and humidity conditions as the printer and keep in original packaging until ready to use.
- Product should be returned to original package between uses.
- Shelf life is 24 months after delivery under recommended storage conditions.

Recycling

- Xerox® Revolution NeverTear™ have special aqueous surface coatings — designed to optimize their print performance and as such cannot be recycled as PET.
- Xerox® Revolution NeverTear™ would come under category 7 i.e. other plastics. They can be disposed of under local authority guidelines for this category.
- Xerox® Revolution NeverTear™ can be incinerated safely (according to local regulations) and, therefore, are a potential source of energy.
- As inert materials, they can be buried in approved landfill facilities.

Equipment Compatability (cont.)

Product	Xerox® iGen® Press Family	Xerox® DocuColor® 7000/8000/ 8080	Xerox® Color C75/ J75 7XX Press	Xerox® 800/1000 Color Press	Xerox® Color 550/560 Production Printer Xerox® Color C60/C70 Printer	Xerox® Color C75/ J75 Press	Xerox® Versant® 2100 Press	Xerox® Versant® 80 Press	Xerox Nuvera® Family
10 mil 8.5 x 11 300 g/m ² 3R20179	Coated 2 Sides Gloss Smooth 300 g/m ² Transfer Side 1 & Side 2 A/B = 100 Detack -10 Autoduplex	Coated 221 - 300 g/m ² Gloss Transfer Side 1 = 130 Side 2 = 90 Output Delivery Orientation = Face Up Manual Duplex Only Note: Max of 50 sheets per run. More than 50 sheets requires running 50 sheets of 11" plain paper to rebalance fuser	Coated 257 - 300 g/m ² Gloss Transfer Side 1 & Side 2 = 150 Autoduplex	Coated 2 Sides Gloss 350 g/m ² Aligner Roll Pressure Setting = 0 Fuser Temperature = +10° Transfer Side 1 =200 Side 2 = 180 Autoduplex	Not Recommended	Coated 257 - 300 g/m ² Gloss Transfer Side 1 & Side 2 = 150 Autoduplex	Plain Matte Coated 300 g/m ² Adjust fuser Temp +10	Plain Matte Coat- ed 300 g/m ² Trays 5, 6, 7 Autoduplex	(Multi Sheet Feed Sensor 'Off' dc131- nm loc 6306 set from 1 to 0) Settings: Plain Coated 2 Sides Satin 231 g/m2 Decurler Setting = +3 Transfer @ Default Output Delivery = Finisher Top Output Tray Autoduplex
10 mil 12 x 18 300 g/m ² 3R20180	Coated 2 Sides Gloss Smooth 300 g/m ² Transfer Side 1 & Side 2 A/B = 100 Detack -10 Autoduplex	Coated 221 - 300 g/m ² Gloss Transfer Side 1 = 130 Side 2 = 90 Output Delivery Orientation = Face Up Manual Duplex Only Note: Max of 50 sheets per run. More than 50 sheets requires running 50 sheets of 11" plain paper to rebalance fuser	Not Recommended	Coated 2 Sides Gloss 350 g/m ² Aligner Roll Pressure Setting = 0 Fuser Temperature = +10° Transfer Side 1 =200 Side 2 = 180 Autoduplex Note: Minor printer related scratches may occur in the image depending on file.	Not Recommended	Not Recommended	Plain Matte Coated 300 g/m ² Adjust fuser Temp +10	Plain Matte Coat- ed 300 g/m ² Trays 5, 6, 7 Autoduplex	Not Recommended
10 mil 14.33 x 20.5 300 g/m ² 3R20181	Coated 2 Sides Gloss Smooth 300 g/m ² Transfer Side 1 & Side 2 A/B = 105/120 Detack -10 Auto- duplex	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended
14 mil 8.5 x 11 450 g/m ² 3R20182	Coated 2 Sides Gloss Smooth 350 g/m ² Transfer Side 1 & Side 2 A/B = 120 Detack 0 Autoduplex Short Edge Feed Only	Not Recommended	Not Recommended	Coated 2 Sides Gloss 350 g/m ² Aligner Roll Pressure Setting = 0 Fuser Temperature = +10° Transfer Side 1 & Side 2 =200 Autoduplex Note: Minor printer related scratches may occur in the image depending on file.	Not Recommended	Not Recommended	Plain Coated Matte 350 g/m ² Transfer setting Side 1 = 150 Side 2 = 150 Adjust Fuser Temp +10 Auto Duplex	Plain Matte Coated 350 g/m ² Trays 5, 6, 7 Manual Duplex Only	Not Recommended
14 mil 12 x 18 450 g/m ² 3R20183	Coated 2 Sides Gloss Smooth 350 g/m ² Transfer Side 1 & Side 2 A/B = 120 Detack 0 Autoduplex	Not Recommended	Not Recommended	Coated 2 Sides Gloss 350 g/m ² Aligner Roll Pressure Setting = 0 Fuser Temperature = +10° Transfer Side 1 & Side 2 =200 Autoduplex Note: Minor printer related scratches may occur in the image depending on file. Output delivered to HCS/Finisher Top Tray Only	Not Recommended	Not Recommended	Plain Coated Matte 350 g/m ² Transfer setting Side 1 = 150 Side 2 = 150 Adjust Fuser Temp +10 Auto Duplex	Plain Matte Coated 350 g/m ² Trays 5, 6, 7 Manual Duplex Only	Not Recommended
14 mil 14.33 x 20.5 450 g/m ² 3R20184	Coated 2 Sides Gloss Smooth 350 g/m ² Transfer Side 1 & Side 2 A/B = 90/90 Detack -10 Autoduplex	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended

Refer to Recommended Media List for more information. Refer to the Custom Media Compatibility Guide for more details on machine settings. If equipment model is not listed in the table, please contact your Account Representative for information.