



**Durst Rho 312R/512R, 320R**  
**Durst Rho Roll 3M™ Premium UV Inks**  
 (Warranty excludes white ink)

**3M™ MCS™ Warranty**      Warranty is stated in years for ZONE 2      First number represents vertical / second number non-vertical warranty of graphics      Release: September 2018

Please review the notes below the table and on the last page of this document.  Product offering may vary from country to country. Local availability of selected graphics constructions should be clarified with your local 3M subsidiary.	Transportation				Exterior				Interior				Watercraft			
	Vehicle, Bus, Fleet Box, Trailer, Oil Tanker, Passenger Rail, Freight Train				Exterior Sign				Interior Sign				Inland and Seagoing Watercrafts			
	Good	Better	Best	Special	Good	Better	Best	Special	Good	Better	Best	Special	Good	Better	Best	Special
LX/SV480, IJ180 (excl. UR), IJ170, IJ70	3	5/1	5/2	5/3	2	3	4	4	8	8	8	8	-	2	2	-
IJ180mC-10UR, IJ3552C, IJ3555	-	2	-	-	-	3	-	-	-	2	-	-	-	-	-	-
IJ380	-	-	5/2	-	-	-	-	-	-	-	-	-	-	-	2	-
IJ3690LF	-	-	-	-	2	5	-	-	5	5	-	-	-	-	-	-
IJ680, IJ680CR, 780	3	5/1	5/2	5/3	2	4	4	4	8	8	8	8	-	-	-	-
IJ8150	-	3/1	-	-	-	3	-	-	-	5	-	-	-	-	-	-
IJ3650, IJ3630, IJ3730	-	-	-	-	2	3	4	-	8	8	8	-	-	-	-	-
PIII, FS-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8170-P40 /-50, 8173	-	1	-	-	-	3	-	-	-	5	-	-	-	-	-	-

Protection options:	Good	Better	Best	Special
LX/SV480, IJ180 (excl. UR), IJ170, IJ70	8991, 8993, 9740i	8518, 8519, 8520, 8588G, 8590M, 8915, 8900	8548G, 8549L, 8550M	8528, *8995-124, *8600
IJ180mC-10UR, IJ3552C, IJ3555	-	8518, 8519, 8520, 8915, 9740i	-	-
IJ380	-	-	8548G, 8549L, 8550M, 8580G, 8580M	-
IJ3690LF	9740i	8518, 8519, 8520, 8915	-	-
IJ680, IJ680CR, 780	8991, 8993, 9740i	8518, 8519	8548G, 8549L	8528
IJ8150	-	8150, 8518	-	-
IJ3650, IJ3630, IJ3730	9740i	8518, 8519, 8520, 8915	3619, 3620, 3658G, 3660M	-
PIII, FS-1	-	8518, 8519, 8520, 8915	3619, 3620, 3658G, 3660M	-
8170-P40 /-50, 8173	-	8518, 8914, 8914i	-	-

**All boxes with 1 number DO NOT have a non-vertical warranty.**

Only graphics manufacturers having a current Certificate of 3M™ MCS™ Warranty are eligible to extend this Warranty to their customers.

To find the best combination of protection and film for your graphic application including conformability, gloss, adhesion to substrate and other attributes, please review product and instruction bulletins.

This ink has limited stretch performance and is not recommended to use with applications that require high elongation (i.e. deep contours and full vehicle wraps).

\* For Interior Surface & Sign applications only

**Notes**

- For additional warranty information, follow the link to [3M Graphics Warranty Bulletin](#)

- All statements based on the recommended types of graphics and end uses of the product. See the product bulletin for limitations of end use.
- Graphics used on the exterior of any type of vehicle or subjected to abrasion or chemical require a 3M Graphic Protection (overlaminated or clear).
- Note the specific requirements for applications on watercrafts given in Instruction Bulletin 5.42.

**Geographical Zones:**

**Zone 1:**  
Austria, Belarus, Belgium, Bosnia, Croatia, Czech Republic, Denmark, Estonia, Finland, France (except Corsica), Germany, Greenland, Hungary, Iceland, Ireland, Italy (north of Rome), Kazakhstan, Latvia, Liechtenstein, Lithuania, Luxembourg, Moldova, Mongolia, Montenegro, Netherlands, Norway, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Sweden, Switzerland, UK, Ukraine

**Zone 2:**  
Albania, Armenia, Australia (south of Brisbane - Perth line), Azerbaijan, Benin, Brunei, Bulgaria, Burundi, Cambodia, Canada, Central African Republic, China, Congo, Cote, Crete, Cuba, Djibouti, Fiji, France (Corsica), Gabon, Georgia, Ghana, Gibraltar, Greece, Guam, Guinea-Bissau, Hong Kong, Indonesia, Italy (south of Rome and Sardinia), Ivory Coast, Kenya, Kyrgyzstan, Laos, Lesotho, Liberia, Macedonia, Malawi, Malaysia, Malta, Marshall Islands, Mozambique, New Caledonia, New Zealand, Nigeria, North Vietnam, Papua New Guinea, Philippines, Portugal, Rwanda, Sierra Leone, Singapore, Solomon Islands, Somalia, South Africa (except of Kalahari desert and Namib dessert area), South Korea, South Vietnam, Spain (without Canary Islands), Sumatra, Taiwan, Tajikistan, Tanzania, Tasmania, Thailand, Togo, Tonga, Turkey, Turkmenistan, Tuvalu, Uganda, USA (except desert south west area), Uzbekistan, Zaire

**Zone 3:**  
Afghanistan, Algeria, Angola, Antigua, Argentina (except Gran Chaco area), Aruba, Australia (north of Brisbane - Perth line), Bahamas, Bahrain, Bangladesh, Barbados, Barbuda, Belize, Bhutan, Bolivia, Botswana, Brazil, Burkina, Cameroon, Cayman Islands, Chad, Chile (except Atacama area), Colombia, Costa Rica, Curacao, Cyprus, Dominica, Dominican Republic, Dubai, Ecuador, Egypt, El Salvador, Equatorial Guinea, Eritrea, Ethiopia, Gambia, Guatemala, Guinea, Guyana, Haiti, Honduras, India, Iran, Iraq, Israel, Jamaica, Jordan, Kuwait, Lebanon, Libya, Madagascar, Maldives, Mali, Mauritania, Mauritius, México (except Sonora), Chihuahua, Baja California, Sur y Baja California area), Morocco, Myanmar, Namibia, Nepal, Netherland Antilles, Nicaragua, Niger, Oman, Pakistan, Panamá, Paraguay, Perú, Puerto Rico, Qatar, Sao Tome & Principe, Saudi Arabia, Senegal, Spain (Canary Islands), Sri Lanka, St. Martin, Sudan, Surinam, Swaziland, Syria, Trinidad and Tobago, Tunisia, United Arab Emirates, Uruguay, USA (desert south west area), Venezuela, Virgin Islands, Western Sahara, Yemen, Zambia, Zimbabwe

**Definitions:**

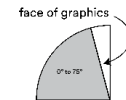
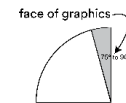
- Transportation: Application to any kind of vehicle that is in regular use (no static exposure of graphic)
- Exterior: Application with a static geographic direction without exposure to any adjacent reflecting surface.
- Interior: Application inside a building without direct exposure to the elements.
- Watercraft: Application to any type of water vehicle above the static water line.

**Warranty and Limited Liability.**

The following is made in lieu of all other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose. All 3M products are warranted to be free of defects in materials and manufacture at the time of shipment and to meet the specifications stated in the film or media's Product Bulletin. All questions of warranty and liability relating to this product are governed by the terms and conditions of the sale, subject, where applicable, to the prevailing law.

**DISCLAIMER:** With the exception of 3M branded products, 3M does not represent that any printer or printer accessory recommended in 3M literature will meet customer requirements, any federal, state or local regulations, or any applicable safety standards. Such determination is the responsibility of the printer owner.

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**Types of exposure:**

*Vertical: The face of the graphic is  $\pm 15^\circ$  from vertical. Unless otherwise noted this type of exposure is the base for the mentioned warranty periods.*

*Non-vertical: The face of the graphic is greater than  $15^\circ$  from vertical to horizontal.*