



## Maker of Top Quality Disc



- BD-R
- BD-R DL
- BD-R XL



- BD-RE
- BD-RE DL



- DVD-R CPRM / DVD-R  
DVD-RW
- DVD+R DL / DVD+R  
DVD+RW





## BD-R

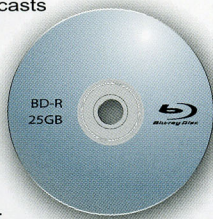
(Blu-ray Disc)

25GB

12x

### BDR 25GB media profile

- Supports 1~12X recording
- BD-R Single Layer offers 25GB capacity
- Recorded over 2 hours HDTV or more than 13 hours SDTV on 25GB
- Supports MPEG-2 TS used by digital broadcasts and MPEG-4 AVC High Profile
- 1920 x 1080 high quality video resolution
- 405 nm blue-violet laser and 0.85 NA to achieve the higher density
- User data transfer rate of 35.965Mbps
- Hard Coat protective layer.
- Extremely long archival life.
- Excellent playback performance.
- BD-R is for use in BD writers and recorders.



The unique hard coating formula protects the recording surface to against scratches and other contaminants like as finger print or ink pollution while collocates special advanced resin create an extremely smooth and precise cover layer. In addition, it's with better recovery performance, even encounter ultra stress, it always return to the original status in a short time.

With the high quality and ultra-precise recording materials which could increase stability and sensitivity on high speed recording and decrease recording time more effectively.

Ex. recording on 12x speed will reduce the time by 40% than 6x speed.

## BD-R DL

(Blu-ray Disc)

50GB

8x

### BDR DL 50GB media profile

- Supports 1~8X recording
- BD-RDual Layer offers 50GB capacity
- Supports MPEG-2 TS used by digital broadcasts and MPEG-4 AVC High Profile
- 1920 x 1080 high quality video resolution
- 405 nm blue-violet laser and 0.85 NA to achieve the higher density
- User data transfer rate of 35.965Mbps
- Hard Coat protective layer.
- Extremely long archival life.
- Excellent playback performance.
- BD-R is for use in BD writers and recorders.



The unique hard coating formula protects the recording surface to against scratches and other contaminants like as finger print or ink pollution while collocates special advanced resin create an extremely smooth and precise cover layer. In addition, it's with better recovery performance, even encounter ultra stress, it always return to the original status in a short time.

With the high quality and ultra-precise recording materials which could increase stability and sensitivity on high speed recording and decrease recording time more effectively.

Ex. recording on 8x speed will reduce the time by 20% than 6x speed.

## BD-RE

(Blu-ray Disc)

25GB

1-2x

### BDRE 25GB media profile

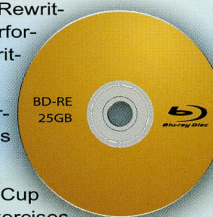
- Supports 1~2X recording
- BD-RE Single Layer offers 25GB capacity
- Recorded over 2 hours HDTV or more than 13 hours SDTV on 25GB
- Supports MPEG-2 TS used by digital broadcasts and MPEG-4 AVC High Profile
- 1920 x 1080 high quality video resolution
- Over 5,000 rewrite cycles
- User data transfer rate of 35.965Mbps
- Utilizes high performance phase change material for precise data and video storage
- Hard Coat protective layer.
- Extremely long archival life.
- Excellent playback performance.
- BD-RE is for use in BD writers and recorders.

A unique configuration with high-sensitivity phase change recording material is adopted for CMC Rewritable Blu-ray Discs. This material is very stably that a CMC Rewritable Blu-ray Disc shows virtually without performance degradation even after it has been rewritten more than 5,000 times.

In addition, it's with better recovery performance, even encounter ultra stress, it always return to the original status in a short time.

While the Olympic Games and the World Cup come off, and there are much more exciting exercises to be watch with HD video.

If the excellence performance of athletes was recording with a Blu-ray disc recorder, you will enjoy the images and sounds in anytime.





# BD-RE DL

50GB

(Blu-ray Disc)

2x

## BDRE DL 50GB media profile

- Supports 1~2X recording
- BD-RE Dual Layer offers 50GB capacity
- Supports MPEG-2 TS used by digital broadcasts and MPEG-4 AVC High Profile
- 1920 x 1080 high quality video resolution
- Over 5,000 rewrite cycles
- User data transfer rate of 35.965Mbps
- Utilizes high performance phase change material for precise data and video storage
- Hard Coat protective layer.
- Extremely long archival life.
- Excellent playback performance.
- BD-RE is for use in BD writers and recorders.

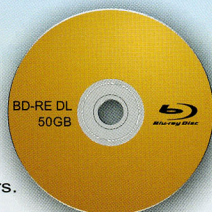
A unique configuration with high-sensitivity phase change recording material is adopted for CMC Rewritable Blu-ray Discs. This material is very stable that a CMC Rewritable Blu-ray Disc shows virtually without performance degradation even after it has been rewritten more than 5,000 times.

In addition, it's with better recovery performance, even encounter ultra stress, it always return to the original status in a short time.

Only need few Blu-ray discs to back up the data from PC-HDD. it will reduce storage space and save power.

When users back up data on a Blu-ray disc, rewriting and adding data is easy.

The data recorded onto a Blu-ray disc is stable, so it is safe and secure for a very long time.



# BD-R XL

100GB

(Blu-ray Disc)

4x

## CMC BDR XL 100GB media profile

- Supports 2~4X recording
- BD-R Triple Layer offers 100GB capacity
- Supports MPEG-2 TS used by digital broadcasts and MPEG-4 AVC High Profile
- 1920 x 1080 high quality video resolution
- 405 nm blue-violet laser and 0.85 NA to achieve the higher density
- User data transfer rate of 35.965Mbps
- Hard Coat protective layer.
- Extremely long archival life.
- Excellent playback performance.
- BD-R XL is for use in BD special purpose writers and recorders.

The unique hard coating formula protects the recording surface to against scratches and other contaminants like as finger print or ink pollution while collocate special advanced resin create an extremely smooth and precise cover layer. In addition, it's with better recovery performance, even encounter ultra stress, it always return to the original status in a short time.

With the high quality and ultra-precise recording materials which could increase stability and sensitivity on high speed recording and decrease recording time more effectively.

To preserve any special events of your memorization with images and sounds without left out.

It would be true-hearted recording the exciting moments like new baby's first steps or speaking on a Blu-ray Disc. even, your family or friend would like to relive special moments with high-definition images anytime.



## TUVdotCOM Award

TUVdotCOM-ID: 0000034940

TUVdotCOM Mark:



- Durability tested
- Tested for harmful substances

## TÜV Rheinland Certified Blu-ray Disc

### Durability

The blu-ray discs were tested for 900 hours under high temperature conditions of approximately 80°C and a relative humidity of 80%. All CMC tested samples passed unaffected.

### Long life

Safe archiving of data for over 70 years

### Tested For Harmful Substances

CMC Blu-ray Discs have been tested for six different phthalates and found to be in compliance with the Phthalate Directive, they also fulfil the standard EN71 - part 3, concerning the migration of heavy metals. Further, the products have been tested for 15 harmful substances and approved to comply with the SVHC (Substances of Very High Concern) standards and directives mentioned in the certificate below as stipulated in the Candidate List published by the European Chemicals Agency (ECHA).

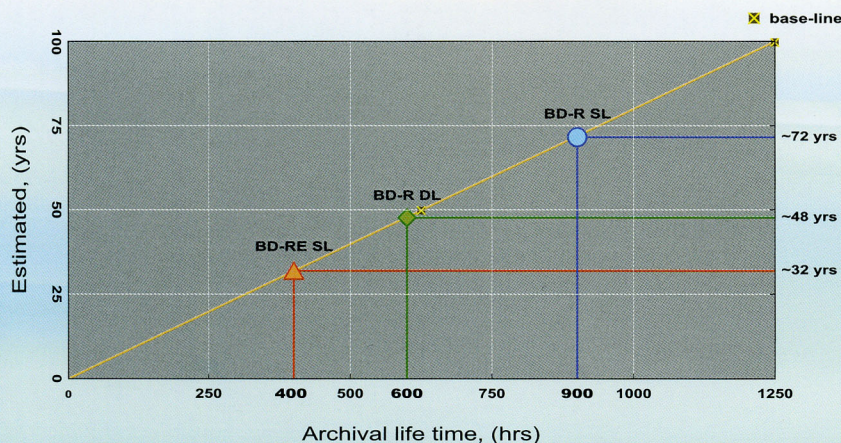
### 15 harmful substances (SVHC)

1. Anthracene
2. 4,4'- Diaminodiphenylmethane
3. Dibutyl phthalate
4. Cobalt dichloride
5. Diarsenic pentaoxide
6. Diarsenic trioxide
7. Sodium dichromate
8. musk xylene
9. DEHP
10. HBCDD
11. Short Chain Chlorinated Paraffins
12. TBTO
13. Lead hydrogen arsenate
14. Benzyl butyl phthalate
15. Triethyl arsenate

### 6 Phthalates substances

1. Diethyl hexylphthalate (DEHP)
2. Dibutyl phthalate (DBP)
3. Benzylbutylphthalate (BBP)
4. Di-n-octylphthalate (DNOP)
5. Di isononylphthalate (DINP)
6. Di isodecylphthalate (DIDP)

### CMC BD format [Archive Products] life-time estimation





## DVD+R DL

8.5GB



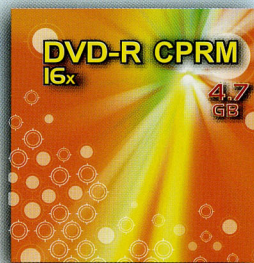
8x  
2.4x



- Offers up to 8.5GB storage capacity
- Single-sided: No need to turn the disc
- Utilizes superb organic dye ensures stable writing with excellent quality
- Excellent shelf and archival life
- Excellent playback compatibility with DVD players

## DVD-R CPRM

4.7GB



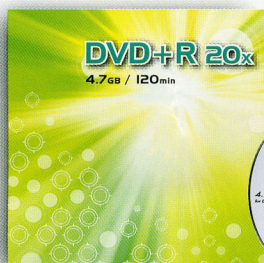
16x  
8x  
4x



- Special for Japan broadcasting use
- Offers up to 4.7GB storage capacity
- Conforming to format specification
- Utilizes high performance organic dye ensures stable writing and reliable storage
- Excellent compatibility with DVD recorders
- Excellent shelf and archival life

## DVD+R

4.7GB



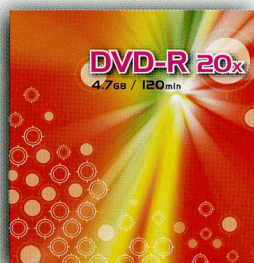
1-20x



- Offers up to 4.7 GB storage capacity
- Enables write speed up to 20x
- Utilizes superb organic dye ensures stable writing with excellent quality
- Excellent shelf and archival life
- Excellent compatibility with DVD drives and video players

## DVD-R

4.7GB



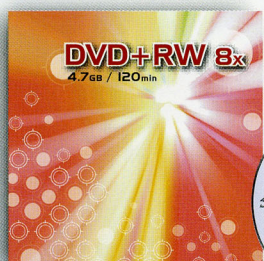
1-20x



- Offers up to 4.7 GB storage capacity
- Conforming to format specification
- Utilizes high performance organic dye ensures stable writing and reliable storage
- Excellent compatibility with DVD drives and video players
- Excellent shelf and archival life

## DVD+RW

4.7GB



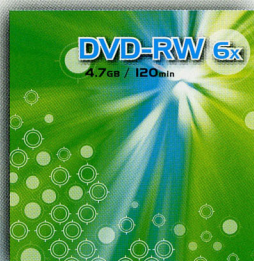
3.3-8x



- Offers up to 4.7 GB storage capacity
- Enables write speed up to 8x
- Conforming to format specification
- Utilizes high performance phase change material for precise data and video storage
- Excellent shelf and archival life
- Over 1,000 rewrite cycles
- Excellent compatibility with current and future DVD drives and DVD video players

## DVD-RW DVD-RW CPRM

4.7GB



2-6x

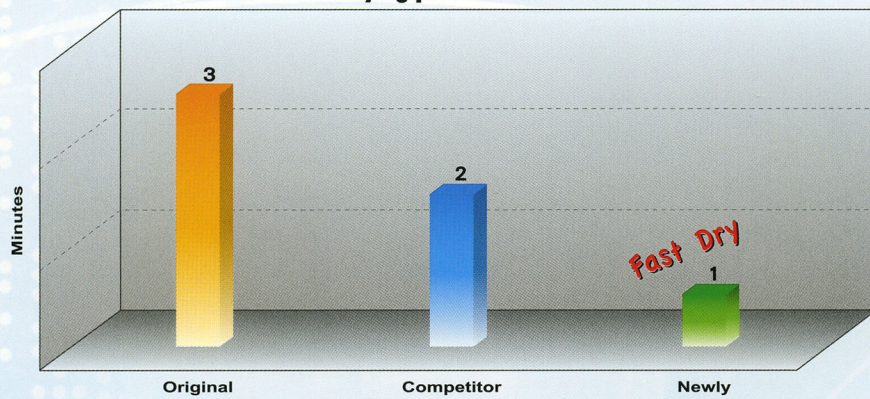


- Offers up to 4.7 GB storage capacity
- Utilizes high performance phase change material ensures great data and video backup reliability
- Over 1,000 rewrite cycles
- Excellent compatibility with current and future DVD drives and DVD video players
- Excellent shelf and archival life

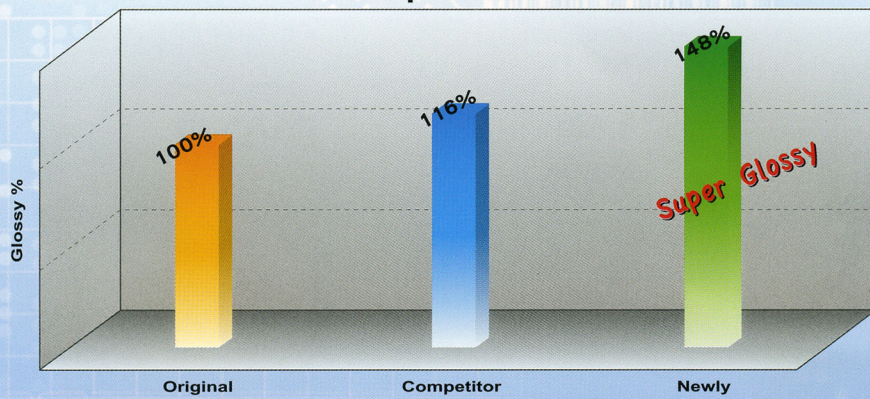


## Comparison of inkjet printable media

Drying performance



Vivid profermance





## CD-R



**52x**

- Ideal for 2X to 52X multi-speed recording
- Widest power margin
- Verified by many leading drive manufacturers
- Utilizes advanced dye formula ensures stable recording and reliable information storage
- Excellent compatibility with vast majority existing recorders and players

## CD-RW

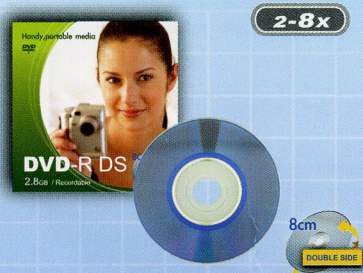


**8-32x** Ultra Speed

**8-24x** Ultra Speed

- Over 1,000 rewrite cycles
- Utilizes high performance phase change material ensures precise data and video storage
- Excellent shelf and archival life
- Offers superior write compatibility with existing high-speed RW writers
- Excellent compatibility with various multi-read CD-ROM drives

## 8cm DVD-R/-RW DS With Hard Coating



**2-8x**

## 8cm DVD-R/-RW/+RW



**1-4x**

**CMC Magnetics Corporation**

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