

PRIMAX[®] green emitting screens G 400

The Intensifying Screens **PRIMAX** - green emitting are produced using rare-earth X-ray luminophors of the latest generation and they are designed for medical applications. The unique manufacturing equipment used for the production of the screens allows to produce high-quality products in accordance with the international standards. The screens are CE-marked on the label as well as fitted with brand name and batch number on the screens themselves.

The advanced technologies for the production of luminophors which are used in the screen manufacturing process ensure:

- low grain level;
- high sharpness of images;
- vanishingly small persistence;
- absence of nonluminous impurities.

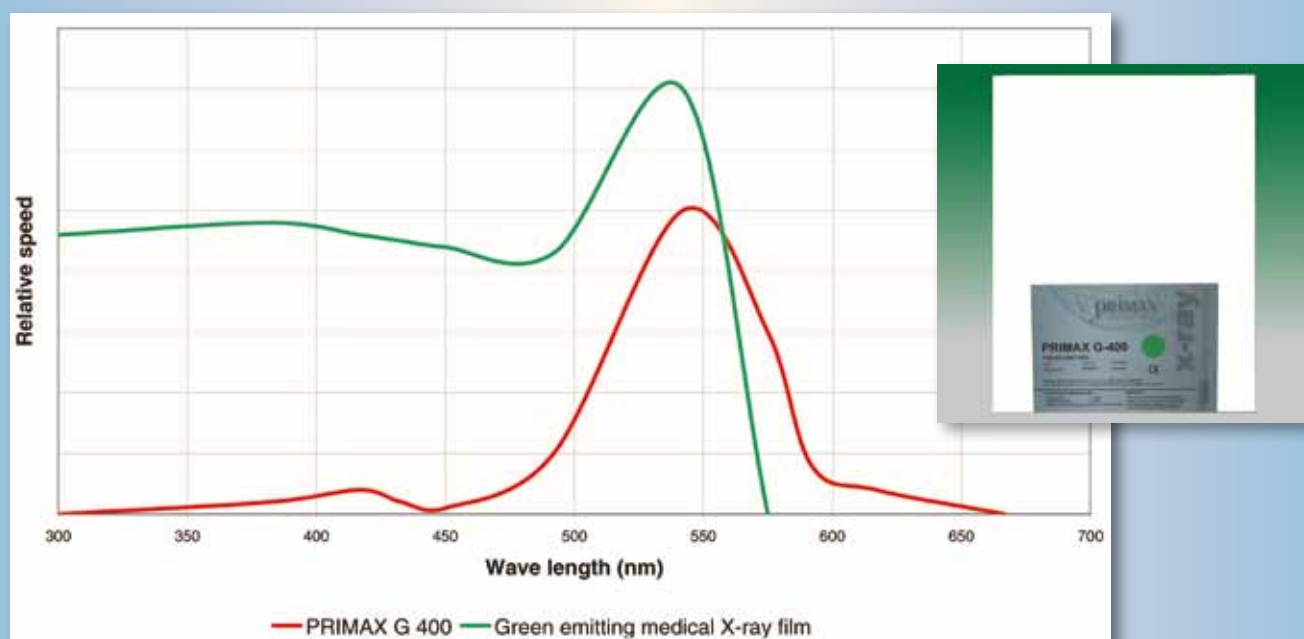
The used materials ensure a high-strength luminophor layer with «silky» surface and allow to obtain excellent contact between the screen and

emulsion layer of an X-ray film. Besides that the **PRIMAX** screens contain antistatic additives that significantly reduce the amount of discharges on radiograms.

PRIMAX G 400 - green-emitting intensifying screens with speed 400. Screens possess high intensification, resolution of the screens is produced to reach 7,0 pairs of lines / mm. The screens are recommended to be used at voltages on the tube in the range between 50 and 150 kV.

PRIMAX G 400 are to be used in combination with green sensitized medical X-ray films. The screens are available in all internationally common sizes (cm and inch). They are packed pairwise in cardboard envelopes which are plastic foil shrink-wrapped. This allows a protected and save delivery of our screens to the customer. Each envelope contains information about the screen handling.

Spectral characteristics of PRIMAX green intensifying screens and speed of green sensitized PRIMAX X-ray films



PRIMAX® blue emitting screens B 200 and Y 400

The Intensifying Screens **PRIMAX** - blue emitting are produced using both traditional tungstates and rare-earth X-ray luminophors of the latest generation and they are designed for medical applications. The unique manufacturing equipment used for the production of the screens allows to produce high-quality products in accordance with the international standards. The screens are CE-marked on the label as well as fitted with brand name and batch number on the screens themselves.

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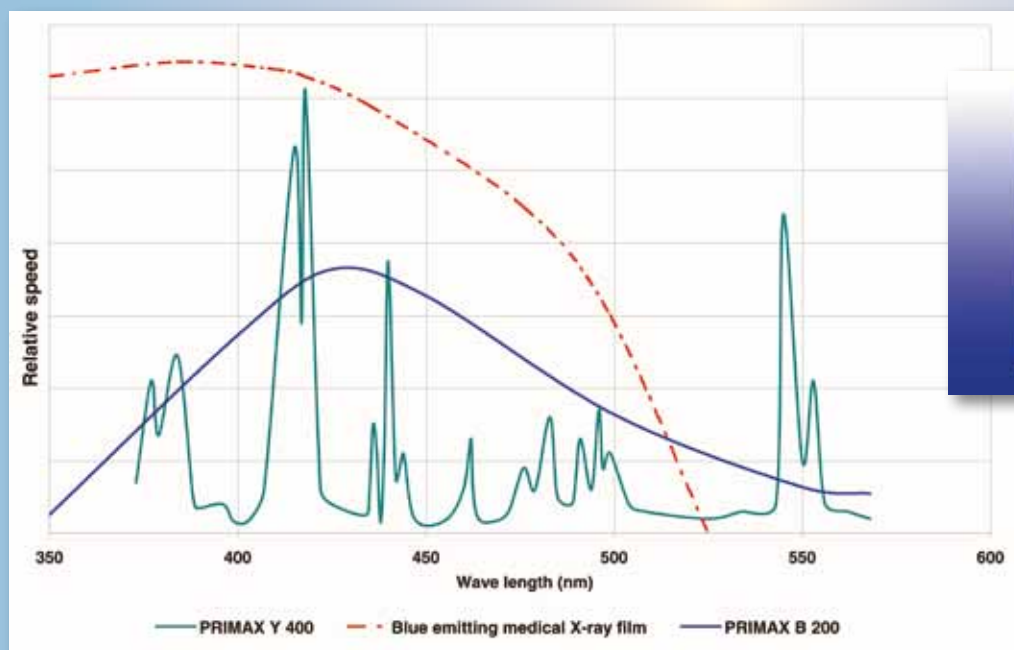
The used materials ensure a high-strength luminophor layer with «silky» surface and allow to obtain excellent contact between the screen and emulsion layer of an X-ray film. Besides that the **PRIMAX** screens contain antistatic additives that significantly reduce the amount of discharges on radiograms.

PRIMAX B 200 - medical medium intensifying screens (speed 200), combining a good resolution of 8,0 pairs of lines/mm and an adequate intensification. Because of high radiation load this type is not recommended to use for radiography of lumbodorsal spinal parts and gastrointestinal tract. They may be used on voltages between 35 and 125 kV.

PRIMAX Y 400 - medical high intensifying screens (speed 400) on yttrium base, allowing to obtain satisfactory images of virtually all objects with the exception of peripheral parts of skeleton. They perform a resolution of 7,0 pairs of lines/mm. These screens are recommended to use at voltages on a tube between 35 and 80 kV.

PRIMAX B 200 and **PRIMAX Y 400** are to be used in combination with blue sensitive medical X-ray film. The screens are available in all internationally common sizes (cm and inch). They are packed pairwise in cardboard envelopes which are again plastic foil shrink-wrapped. This allows a protected and save delivery of our screens to the customer. Each envelope contains information about the screen handling.

Spectral characteristics of PRIMAX blue intensifying screens and speed of blue sensitive PRIMAX X-ray films



Recommended ranges of application of PRIMAX intensifying screens

Screen type	Maxillofacial skull parts	Skull	Lumbodorsal spinal parts	Lungs	Gastrointestinal-system	Urinogenital-system	Heart and large vessels
PRIMAX B 200	Good	Good		Good		Excel.	Excel.
PRIMAX Y 400		Good	Good	Good	Good	Excel.	Excel.
PRIMAX G 400		Excel.	Excel.	Excel.	Excel.	Excel.	Excel.
Excel.	- Excellent images						
Good	- Good images						
Note: Recommended scopes of screens take into account an optimum parity between quality of the image and a doze of an irradiation.							