

The method for manufacturing a luminescent screen for a projection tube includes plating luminophor from a suspension in potassium silicate aqueous solution, belying luminiferous layer with a belying mixture. The plating luminophor is carried out from a fractionated suspension with average size of particles of 6.5-7.0 μm and a fractionated distribution of 5.0-9.0 μm in 0.10-0.15 % potassium silicate aqueous solution. The formed coating belying to the substrate surface is carried out with mixture with pH equal to 11.2-11.4.