Abstract

The present invention relates to a method for preparing coated substrates. In the method, an aqueous suspension comprising water, at least one agglomerate former, and particles of at least one refractory metal carbide is first prepared, wherein the particles of the at least one refractory metal carbide form agglomerates in the aqueous suspension. Then, the at least one aqueous suspension is applied to a porous substrate. The substrate is then subjected to a sintering process. According to the invention, the diameter of each of the agglomerates is larger than the pore entrance diameter of each of the pores of the porous substrate. The present invention further relates to a coated substrate which may be produced or be producible by the method of the invention, and to the use of such a coated substrate.