



OJSC «MEZHGOSMETIZ-MTSENSK» — ON A WAY OF MASTERING PRODUCTION OF ALL WELDING CONSUMABLES RELEVANT IN THE MARKET

OJSC «Mezhgosmetiz-Mtsensk» is a Russian manufacturer of high-quality welding consumables, which has been functioning for 10 years and holding the leading positions in the Russian market.

The stable company profit through high production quality motto is a secret of success. A priority in the area of quality makes the basis of our work. Considerable operational experience, unique manufacturing technologies, quality control and careful investigation of customers' demands make our products an optimal choice for carrying out welding operations of any complexity. Our welding consumables are applied in machine building, ship building, power engineering, chemical industry, as well as in bridge construction, car building, manufacture of pipes and metal structures.

Italian line «Subarc» for manufacture of large-diameter wires, including the 5.0 mm diameter, was bought in January 2008 to meet requirements of our customers in greater scope. This allowed us to deliver this type of wire to the biggest pipe plants of Russia. The «Subarc» line permitted widening of a grade range of the produced wires: Sv-08G2S-O, Sv-08G1S-O, Sv-08A-O, Sv-08GA-O, Sv-10GAA-O, Sv-08GM-O, Sv-08GNM-O, Sv-08G1NMA, Sv-08GSMT-O, Sv-08GSMT-O, Sv-10NMA-O, Sv-08KhM-O, which, in turn, made it possible to satisfy requirements of the customers working in different branches of the national economy. Those customers who had already have an experience of working with our wire, sighed with relief: the money invested in rearrangement of their enterprises started paying back. Also, we should note and thanks our partners in metallurgy, who actively responded to our request and manufactured a raw material of the required quality.

Today «Mezhgosmetiz-Mtsensk» can offer to its customers a high-quality copper-clad wire from 2.0 to 5.0 mm in diameter in different packing variants, namely:

- *packing in reels K-415* of up to 28 kg in weight with layer-by-layer row layout. Reel K-415 provides stable operation of feeding mechanisms, stable arcing, and improved efficiency of welding equipment;

- *heavy-load bundle B-500* of 300–700 kg in weight: layer-by-layer winding of wire with cross-like layout in width of a bundle; reliable securing of wire at four points; and special fixture for lifting and mounting on an uncoiling device provides wasteless recycling;

- *packing in heavy-load bundles* of up to 700 kg in weight with cross-like row layout, with the in-house manufactured uncoiling device developed for uncoiling of these bundles;

- *packing «Ariadna» B-500* of up to 250 kg in weight and *B-600* of up to 300 kg in weight — a new

type of packing of welding wire developed on the basis of the European experience in wire delivery.

The wire is coiled by a special method, which provides straightening of the wire while it comes out of a packing. Straight welding wire can be readily fed to the welding device feeder. The packing is compact and made from environmentally clean raw materials.

As shown by the practice, this type of packing is most promising. «Ariadna» takes the small space in a working area, provides easy unwinding of the wire, allows increasing efficiency of welding equipment due to a continuous welding process, reduction of the quantity of defects in welds owing to protection of the welding wire from dust and other contaminants, and decrease in wear of the feeder components;

- *rectangular section bundles* of 80–100 kg in weight. In September 2009, «Mezhgosmetiz-Mtsensk» started manufacturing this packing of 2.0–5.0 mm diameter copper-clad welding wire. This packing of the Sv-08G2S, Sv-08GSMT, Sv-08GA, Sv-08GM, Sv-08KhM, Sv-10NMA, Sv-08GNM, Sv-08KhGSMFA and Sv-08KhGSMA wire grades is applied with the welding technologies intended for reduction of wire wastes caused by tangling, providing of continuous welding process, and decrease of additional costs for winding of the wire.

The wire provides stable continuous arcing and quality welds. Besides, such a technological operation as re-winding of the wire on process coils is eliminated, when the copper-clad welding wire in the form of rectangular section bundles is used.

Rectangular section bundle MP-100

Outer diameter, mm	736
Inner diameter, mm	588
Width, mm	100
Weight, kg	50–100
Wire diameter, mm	2.0, 3.0, 4.0, 5.0

Row arrangement of the wire in each layer is carried out on cardboard core. Each bundle is hermetically sealed into a shrinkable film.

We participate in specialized exhibitions, test and certify our products, extend our product line, and constantly expand the range of products to meet requirements of the market. Permanent and continuous control of quality of welding consumables, constant implementation of innovations and our aspiration to correspond to requirements of a volatile market, individual approach to interaction with clients, stability and reputation of one of the best manufacturers of welding consumables in Russia — we do all this for You!

Our quality — Your choice!

Kostyuchenko V.P.

Director General OJSC «Mezhgosmetiz-Mtsensk»