

Effective application of glass composite reinforcement.

Technique characteristics make it possible to use glass composite reinforcement at different facilities listed below:

- while building of road and transportation infrastructure facilities: for reinforcing of traffic- bearing surface and barriers of bridge constructions, blocks and fences, traffic stripes, kerbings, road and walkway slabs;
- when building facilities, functioning under conditions of high electromagnetic field intensity and voltage difference (CT scans, supporting structures of high voltage lines and substations, railway ties etc). It's appropriate for reinforcing of buildings and facilities of hospitals, airports, radar stations, different special constructions;
- when building chemical production facilities, dumpings, objects of water - processing and waste – water treatment, reclamation, for reinforcing of concrete tanks, storages of treatment facilities and chemical manufactures, in wall panels with aggressive media, parts of chemical manufacture facilities etc.;
- when building sea and river waterfront structures, fibercrete sea crafts and floating constructions (pontoons, piers, drilling platform floaters etc.);
- when building mines and tunnels of metropolitans; for repairs and reconstruction of bridges, elements of buildings and structures;;
- when working on soil strengthening (strengthening of seawalls, slopes, retaining walls, cribbing of grooves and pits, mine working bridges, coastlines); for manufacturing of rods and nets, for increasing of load- bearing capacity of brick structures;
- when installing of force fields, concrete elements, plate foundations, in concrete elements and constructions, in concrete products with non-tensioned and pretensioned reinforcement (cast- grout piles, fences, road plates, electric poles and light poles etc.).

This is where all the advantages of glass composite reinforcement are displayed in the best way possible. The short economic impact when using reinforcement «CG» with replacing of traditional steel reinforcement amounts to 60%.