



MODERN ASPECTS OF ECONOMIC AND SOCIAL SUSTAINABLE DEVELOPMENT

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REINFORCED CONCRETE CONSTRUCTIONS AND THEIR TYPES

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Annotation. reinforced concrete constructions very wide applied construction material to be and use condition and of the building under construction to the task looking monolithic and don't collect types is used. Reinforced concrete in constructions armature and concrete together when working to squeeze and to stretch has been big to resilience is achieved.

Key word: steel fittings , glass plastic fibrous reinforcement , reinforced concrete , light reinforced concrete , strength , deformability , assembly reinforced concrete , monolithic reinforced concrete , foundation blocks , masonry constructions , columns , rigels , plates .

Reinforced concrete construction concrete from the matrix and steel armature from the carcass consists of composite is an item . It is a community and industry buildings and in transport construction , hydraulic engineering structures and another special objects in construction wide scale is used . Monolith and don't collect reinforced concrete and building constructions structures in construction to use work productivity increases , construction the term shortens and the cost reduces Concrete in stretching strength in compression solid gigabytes relatively one how many ten equal to is less Because of this reinforced concrete of constructions stretchy part steel fittings with is strengthened .

Concrete and steel of fittings good bite and temperature under the influence of linear expansion of coefficients the proximity of steel and concrete one whole system being work provides . Concrete steel armature the weather under the influence of from corrosion keeps.

Cemented composites steel fittings with in reinforcement an average of 200 kg of steel fittings is used .

Reinforced concrete preparation method according to monolithic and don't collect to constructions is divided .

Monolith reinforced concrete constructions directly construction in the fields is prepared . They are special projects based on the building to be constructed and in structures , hydraulic engineering , road construction and airfield coatings and another in structures is used . Monolith reinforced concrete set up in reaching and concrete casting to work a lot q die work spend will be them dry Hot climate conditions and winter to the season preparation difficulties gives birth

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Do not collect reinforced concrete constructions in the factory mechanized in the circumstances work is released and construction in the fields assembly will be done . Types of it dimensions are minimally variable reinforced concrete constructions work release economical will be

Constructions simple and armature from before tense reinforced concrete (AATTb) types is divided . Steel armature from before from tension the goal steel in the stern plastic deformation condition , reinforced concrete to the construction upload when placed sharp is to reduce . In this case reinforced concrete of construction what about stretching in the part concrete is compressed and to him that's it from tension high has been tension harvest just in case to stretch works _ Construction stretchy in the part armature when tense in concrete cracks harvest to be sharp decreases .

They are used to the field according to four main to the group divided into : public buildings , industry buildings , engineering facilities , special item and constructions .

Do not collect reinforced concrete constructions work release the following main technological from processes consists of : concrete do not mix preparation , fittings preparation , mold preparation , construction reinforcement , molding , heat with again performance , construction surface finishing , warehouses placement .

Concrete mix preparation Reinforced concrete in factories concrete mixture directly concrete get older in the shop is prepared . Concrete mixing technology in detail in chapter 6 given _

Armature preparation _ Armature in the shop armature carcasses and nets special welding equipment by means of is prepared . In the shop armature sterns and wires kalavas and wraps special from metal bags on machine tools and from rusts cleaned , corrected , needed in length is cut . Separately Sturgeons a lot dotted welding in equipment contact method by welding armature carcasses and nets is prepared .

Fixtures from before tension molding in the shop special stands and in molds hydraulic jacks using or electric rotermomechanic in style concrete without pouring before done is increased .

They stand or mold edge to the part devices using is fixed . Concrete hard in compression strength is over 20 MPa fixed armature will be released .

Concrete from casting first molds frozen concrete from the remains cleaning a must After the formwork is assembled , concrete to the mold stuck not stay for special emulsion compositions with is lubricated .

Concrete mix to the mold different concrete burners with the help of it is hard . Concrete mixer type mouldable to the construction depend Surface big plates , panels this item width said to cover concrete burner machines by means of , ensiz item and constructions special such as hoses , hoses , conveyors concrete burners using is molded .

Constructions in preparation the following concrete densification methods used : shaking , rolling , vacuuming , pressing , sieving , centrifugation and etc. Widespread method short term shaking to be and

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shiver fields big superficial items concrete to intensify possibility gives _ Immovable big in molds concrete mixture depth vibrators medium , thin constructions while superficial vibrator grounds and beams using is condensed , concrete mixtures vibration- vacuumization , vibration-rolling and that's it such as mixed in methods condensation will rise .

Item and constructions surface finishing Big housekeeping panels , facade plates and some constructions factory conditions is made up . In an industrial way in the factory finished panel and constructions high good quality construction accelerates . Wall panels facade side textured processed , colored don't mix and concretes with to be painted , ceramic and glass plates with will be covered .

Household service buildings panel and plates , sanitary equipment cabins internal from the side ceramic and glass plates , mosaics , granular polymer and binder mixtures with is made up .

Makeup dry mineral mixtures or polymer binders , mineral and fiberglass such as heat isolation materials , fillers , colored pigments and another additions based on is prepared . Heat insulation feature have has been finishing layer panel and plates based on built in buildings heat to be lost reduces _

Construction building in the complex and constructions monolithic reinforced concrete based on set up reach current is an issue . Monolith construction system reinforced concrete constructions from before prepared desired in the form of unified don't collect to the molds casting with characteristic _ In this method, the building and structures when built construction time shortens , montage works sharp decreases , of the building strength increases , construction in the field to the warehouse necessity it won't be .

Current in the day heavy metal molds instead of light ripe metal and glass plastic from lists of collapsible universal molds use monolithic construction system is developing .

Monolith reinforced concrete constructions heavy and pore fillers based on is prepared . Residence buildings walls cellular concretes based on construction can _ Special structures monolithic in construction very heavy _ to the heat durable , aggressive environments resistant and another kind of concretes used. Monolith reinforced concrete for armature in the factory or directly construction area nearby armature in the shop big carcass blocks and nets in the form of is prepared . Concrete mix reinforced concrete in the factory or construction in the field concrete get older in the center is prepared .

Concrete mix in truck concrete mixers transport need Concrete mix while being transported stratification , atmosphere environment under the influence of composition immutability a must Especially Uzbekistan dry Hot in the climate concrete do not mix in transportation of dehydration prevention get current is an issue . Current at the time construction behind concrete do not mix dry without carrying and directly of the object in itself water with mixed up to use good results is giving

Construction belon mixture in the field transfer crane. conveyor, concrete pump or compressed the air by means of working pipes through done is increased . Compressed the air by means of working using tubular transport concrete mixture up to 150 m to the distance transmission can .

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Monolith reinforced concrete constnicives continuously or forever in use separately blocks or compartments in the form of is poured . Continuously method building and in the facility absence of seams and concrete to the composition special requirements when placed is used . Continuously method fittings first tense reinforced concrete constructions , dynamics voltages under the influence of working foundation .

Array constructions (dams , terraces , foundations) worker stitches with to the blocks is separated because temperature and get in from the effect harvest to be deformation construction integrity loss deliver.

Concrete mix layer by layer without is poured and internal vibrators using is condensed . It's in the mold after pouring , until concrete in the project to strength until achieved is taken care of . Cement in this hydration to be provided for temperature and relative humidity necessary in pointerUir holding stand up need .

of Uzbekistan dry Hot climate conditions monolithic concrete casting separately events done increase requirement is enough Concrete in this do not mix transportation , molding , especially care to work separately importance to give necessary Car arcs , airfield cover . surface big reinforced concrete monolithic constructions in construction concrete care for bedspread materials (polyethylene , polypropylene film and b.) or film harvest doer polymers (ethiaol loki , gel polymers) are used .

Monolith concreting winter in season when done concrete do not mix and stiffening concrete from freezing storage main is an issue . Monolith concrete from freezing save different methods there is Concrete heat insulation materials with temporary wrapping put , concrete mixture contained of water freeze temperature reducing additions introduction , " thermos " method these are including.

Heat insulation materials as half bikt mineral plate, glass wool beds , hydioisolation coated arbolit , x-elolit plates, porous , full braces and that's it etc is used . Hu Susi cases "thermos " used for oats according to poured concrete to co-construction special flexible of materials made " dress " is worn and of coating intermediate to the empty space superheated steam or the air by sending stands up " Thermos " method overhead and technical by done increase complicated was method is considered.

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