WEB OF SCIENTIST: INTERNATIONAL SCIENTIFIC RESEARCH JOURNAL
ISSN: 2776-0979, Volume 3, Issue 6, June, 2022

FIBROBETON AND PROSPECTS TO BE APPLIED IN THE CONSTRUCTION

Xolmirzayev Sattar Abdujabbarovich
Prof Namangan Engineering - Construction Institute

Akhmedov Akmaljon Rustamovich
Trainee-Resear. Namangan Engineering - Construction Institute

Baxtiyor maqsud o'g'li
Teach. Namangan Engineering - Construction Institute

Oxunjonov Azizjon Rustam o'g'li
Student, Namangan Engineering - Construction Institute

Annotation.
In this article fibroconcreteng structure, advantages, and disadvantages fibrobetondan provides information on the use of the built in. Fibrobetondan as a result of the use of the ability to carry the load increased by 30% and physical resistance to the increase of the strain studied.

Keywords: Fibrobeton, fiber concrete, the ability to carry the load, physical strain,bazalt fiber, fibrokonkretlash, afiber sbest.

Introduction

The president of the republic of uzbekistan of February 20 2019 miromonovich to assign the year of pp-4198-number "on the complex of measures for improvement and development of the building materials industry,"according to the decree of state participation in the economy to reduce the system to increase the efficiency of management of the building materials industry, deep processing of local raw materials to the organization's promotionbrowsing, kontseps administrative reforms in the republic of uzbekistanestablished in order to perform the tasks of many reforms consistent with iya is being carried out.

New material in the building materials market–fibrobeton entered. It is in the structure of fiber particles in the concrete to be, his name concrete his name come out. This fiber - concrete mortar strength increase to be used for consolidation of the role plays. Fibrosisconcrete of the supplements in length and thickness with a kind. This

WEB OF SCIENTIST: INTERNATIONAL SCIENTIFIC RESEARCH JOURNAL
ISSN: 2776-0979, Volume 3, Issue 6, June, 2022

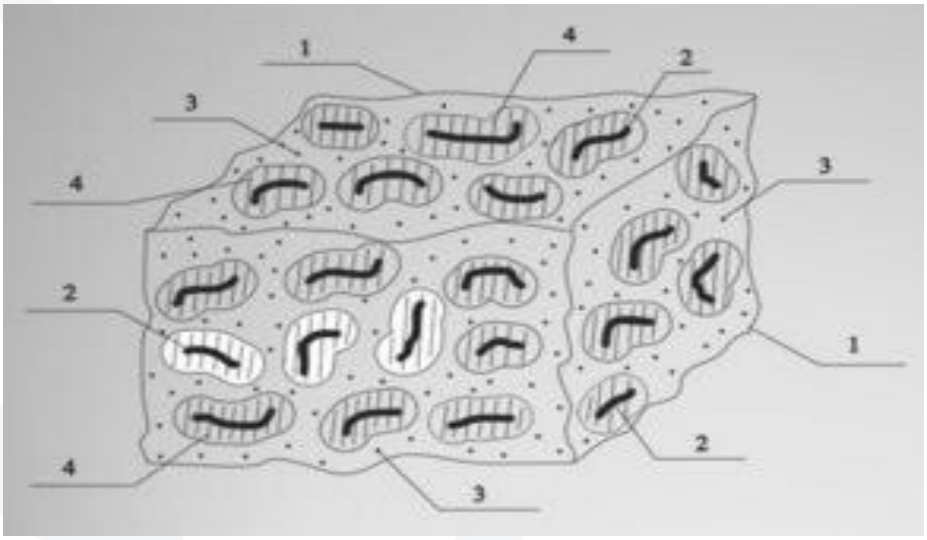
is them in concrete structures across tmost in the distribution of the opportunity it gives. Fibrosisof concrete many advantages there are.

Fiber Concrete Concept and Structure

Fibrokonservat-thin internal material is; its components are part of one of strengthen it is supplementing. Previously, bilateral relations were fragile and cracks in the number of lessen waiting with concrete't a solid increase measures were considered. In so doing, builders bulk fiber addition, them the entire concrete mass to tmost in the distribution considered. This work as a result of the formed which is concrete its features improves:

Advantages:

- To carry the load of a woman,ifully milk 30 % to be increased;
- The physical strain resistance to strengthen;
- Fractures less frequently harvested.



1-picture Fibrobeton structure
1-makroskopik the cell border, 2 fiber, 3-concrete matrisa,
4-booster for the fibers to concrete with contact to make zone

Concrete his features first place in the working out of used construction material related. Tget his concrete the main types of properties have been studied. Basalьt fiber most keng a common filler is. It load to the power it has, shortened and service during the cracks form does not. Her most attractive as well as qualities-this is a long life to see, density and wear resistance. That is in addition to, this fiber of concrete at low temperature, moisture and heat effect under its properties does not lose

The popular rating in the next place the glass fiber is. This type of concrete elasticity high qualities eha, this is him plasticine gives. However, alkali environment this material to be harmful. Chemical effects of resistance concrete aluminum erhythm on the basis of the supplements of the addition through the polymer absorption through provides. This, the alkali connects and fiber concrete damage to prevent the will. Yukary power, high temperature durability, gidroizolyasiya, chemicals and ishqalanishga resistance, which indicates the solution before we have.

Asbestos fiber resistance, alkali resistance, environment, load and stand out with termal protection qualities. On the basis of Bazalt could increase the strength of concrete. This is for a constant load, this displacement isr, the appearance of whichat around cracks and prevents that arise sharply.

The general properties of chemical substances to protect from the effects of other types of fiber, the strength of the displacement, the temperature, and resistance to change eto e on the other sidenergiyasini held. Material synthetic nature due to his concrete weight reduced.

2-picture bazalt fiber

Disadvantages

Surprisingly, this concrete only one of its disadvantages that simple lime concrete in comparison with the high price. However, this is russia building materials resistance and of ko'llaniladi with easily used.

Concrete as a building material has been used since a long time and proved himself among professionals from the positive side. Kengproperties aytirilgan ethe modified version fibrokonkretka, as well as construction and repair work in keng support

Fiber concrete its ingredients

Fibrinobeton-m, except this is a simple concrete- strengthening fiber axsus eha which innovative building material. Such steel fibers, basalьt or polypropylene fibers. Built-

in all its varieties fibrokonkretaning top of the practical applicationof aDi, but most mashhuri is backed with polypropylene fiber concrete.

Type of Features

Basalьt fiber concrete-steel fiber by fiber high power that gives this material. Such a mixture is often used in the field of production, but to consume high fiber concrete kubometr to drift away slowly from the use of this material will force us to unjustified. Fibrokonkretlash polypropylene fiber. Polypropylene fiber-concrete power, elastik let's resistance to cracking. Prepared the material cold, chemicals and better able to withstand the impact damaged.

Construction basalьconcrete foundation and paul t fiber packing, laying and concrete laid to the pile of plates, and is integral to create structures monolit betonlashtirish open places. Basalьt-concrete three-dimensional power gives the powder more easily without form concrete mixture are introduced.

Fiberglas-architects showcases any ideas for this egives the opportunity to the teeth, a unique material. glass fiber kompozitsiya concrete add his egives cho'zilishga giluvchanligi and resistance. The technological properties of this material allows it to be used in the manufacture of the shape and structure of various tissues.

3-picture fibrobeton

Production Technology

Concrete economic efficiency of the production of its popularity and simplicity in construction fiber directly associated with it. The production technology of concrete mixture with a certain type of fiber-based intervention at the same time, does not require special equipment and costs extra money. fibrobeton fibers are good for mixing with mortar concrete you can use two methods:

Mix the dry components of the mixture of fiber, water and chemical supplements gradually through ko'shish;
For mixing concrete or mortar mixing time is usually about 15 minutes from the time spent than 15%.
Polypropylene fiber, as well as glass fiber, perfect with conventional concrete mix in a mixer, and mix the entire volume of the chigallashmaydi teng is distributed.

Fibrokonkretlash construction: advantages of using

Fibrobeton additional steel reinforcement and concrete to builders from the use of leave from the use of test eto the tooth allows. These costs and construction time, as well as human labor costs will significantly reduce.
The advantage of this material is the choice of keng is associated with its technological features list.

Concrete its Fiber Advantages

- Concrete to five times higher shock resistance than traditional eha;
- Has resistance to chemical and mechanical influences;
- This high frost resistance, water resistance, it is characterized with resistance;
- Resistant to cracking, elastik, stretch;
- Its lower weight, this engil allows you to create structures.

4- picture fibrobetonn

The world practice of the xxi century as one of the most promising building materials building fibroconcrete determine. Usa, uk, japan, germany, italy, france and australia the experience of developed countries such as the technical and economic efficiency of building installations and structures from the use of fiber in concrete showed in a reliable way.

Literature

1.С.Ж. Раззақов, А.Ш. Мартазаев, А.С.Жўраева, А.Р.Ахмедов. “Базальт толалари билан дисперс арматураланган фибробетоннинг иқтисодий самарадорлиги” Фарғона политехника институти Илмий техника журнали 2022, Т.26, №1) 206-209

2.Холмирзаев С. А., Комилова Н. Х. Влияние сухого жаркого климата на ширину раскрытия трещин внецентренно-сжатых железобетонных элементов //Приволжский научный вестник. – 2015. – №. 4-1 (44). – С. 43-45.

3.Раззаков, С. Ж., Ильина, Л. В., & Холмирзаев, С. А. (2018). Температурные деформации бетона в условиях сухого жаркого климата. Труды Новосибирского государственного архитектурно-строительного университета (Сибстрин), 21(3), 22-30.

4. Холмирзаев С. А., Саркаров С. З. Ползучесть шлакобетона в условиях сухого жаркого климата //Ответственный редактор: Сукиасян АА, к. э. н., ст. преп. – 2014. – С. 41.

5. Раззаков С. Ж., Холмирзаев С. А., Угли Б. М. Расчет усилий трещинообразования сжатых железобетонных элементов в условиях сухого жаркого климата //Символ науки. – 2015. – №. 3. – С. 57-60.

6. Холмирзаев С. А. Температурные изменения в керамзитобетонных колоннах в условиях сухого жаркого климата //Журнал «Бетон и железобетон. – 2001. – №. 2.

7.С.А. Холмирзаев, А.Р. Ахмедов, А.С.Жўраева “Қурилишда фибробетонларнинг ишлатилишининг бугунги кундаги ҳолати” Modern scientific research: achievements, innovations and development prospects номли тўплам 2nd part, 2-342 pages 28.05.2022 б. 321-325

8.Холмирзаев, С. А., Ахмедов, А. Р., & Жўраева, А. С. (2022). Базальт толали арматураларни кўлланиши ва тадбиқ қилиниши. Conferencea, 121-123.

9.Razzakov, S. J., & Kholmirzaev, S. A. (2017). Influence of frame work strengthhening on the stress-strain state of two-storey buildings of low-strength материалs. Structural Mechanics of Engineering Constructions and Buildings, (4), 43-49.

10.А.Р. Ахмедов, О.Қ. Фозилов, А.С. Жўраева “Базальт толали-дисперс тўлдиргичли цемент боғловчиларининг хоссаларини ўрганиш” Journal of new century innovations Volume – 5_Issue-6_May_2022, б 41-48

11.Ризаев Б.Ш., Юсупов Ш.Р., Ахмедов А.Р., Абдусаломов В.О. Современ-ные композитные арматуры Omega Science232 ISSN 2541-8084 # 12-1/2021

12.Abduraxmanovich X. S. H. Heliothermo concrete processing in hot climates //information technology in industry. – 2021. – Т. 9. – №. 3. – С. 973-978
13.Mukhtasar, M. (2021). Improving the methodology of teaching virtual lessons on the basis of modern digital technologies. Journal of Advanced Scientific Research (ISSN: 0976-9595), 1(1).
14. Холмирзаев С А, Ахмедов А Р, Охунжонов А Р. Базальт толасининг тўлдирувчи сифатида цемент тошининг мустаҳкамлик хоссаларига таъсирини ўрганиш. Ta'lim va rivojlanish tahlili onlayn ilmiy jurnali. 2022.
15.B.Sh.Rizaev, A.T. Mamadaliyev, M.B. Mukhitdinov, M.A. Mukhtoraliyeva Study of changes in the strength and deformation properties of concrete in a dry hot climate.Universum:// Технические науки: электрон научн. журн. 2022. №4(97)
16.Ризаев, Б. Ш., Мамадалиев, А. Т., Мухитдинов, М. Б., & Прочностные, М. М. деформативные свойства внецентренно-сжатых железобетонных колонн в условиях сухого жаркого климата. Матрица научного познания, 2-2.
17.Ризаев, Б. Ш., Мамадалиев, А. Т., Мухитдинов, М. Б., & Мухторалиева, М. А. (2022). Прочностные и деформативные свойства внецентренно-сжатых железобетонных колонн в условиях сухого жаркого климата. Научный электронный журнал «матрица научного познания, 27.
18.Sh, B. (2022). Rizaev, AT Mamadaliyev, MB Мухитдинов, MA Мухторалиева Прочностные и деформативные свойства внецентренно-сжатых железобетонных колонн в условиях сухого жаркого климата. Матрица научного познания, 2-2.
19.Ахунов, Д. Б., & Мухторалиева, М. (2022). Oqova suvlarni tozalash texnologiyasini takomillashtirishga tavsiyalar berish. Экономика и социум,(2), 93.
20.Sharopov, B., & Muxtoraliyeva, M. Pedagogika fanining metodologiyasi. Pedagogs international research journal. 259-262 (2). Volume-2, Issue-1.
21.M.A.Mukhtoraliyeva, A.T.Mamadaliyev, I.I.Umarov, B.X.Sharopov Development of technology on the basis of scientific achievements. «Матрицана учного познания».
22.Мамадалиев, А., Мухторалиева, М., & Шарапов, Б. Матрица научного познания. матрица научного познания Учредители: Общество с ограниченной ответственностью" Омега сайнс", 137-143.
23.Мухторалиева, М. А., & Шарапов, Б. Х. Мамадалиев А Т. НАУЧНЫЙ ЭЛЕКТРОННЫЙ ЖУРНАЛ «МАТРИЦА НАУЧНОГО ПОЗНАНИЯ», 137.

24.I.I.Umarov., M.A.Mukhtoraliyeva., A T. Mamadaliyev. Principles of training for specialties in the field of construction. Jurnal. Актуальные научные исследования в современном мире. UKRAINA.2022

25.Б.Ш Ризаев, А. Мамадалиев,О.Фозилов, Б.Шаропов, М.Мухторалиева. Прочностные характеристики легкого бетона на пористых заполнителях. Universum:// Технические науки:электрон научн. журн. 2022. №6(99) – С.

26.Мухторалиева МА.,Қурбонов БИ, Хошимжонов ЭР. Қурилиш соҳасида мутахассислик фанларини ўқитиш тамойиллари.TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI. 2022

27. Шаропов, Б. Х., Хакимов, С. Р., & Рахимова, С. (2021). Оптимизация режимов гелиотеплохимической обработки золоцементных композиций. Матрица научного познания, (12-1), 115-123.30.

28. Ризаев, Б. Ш., Мамадалиев, А.Т.,&Умаров, И. (2022).Деформации усадки бетона в условиях сухого жаркого климата.Экономика и социум,(1), 92.

29. Bakhodir, R., Adkhamjon, M., & Isroil, U. (2022). Deformativity of reinforced concrete columns from heavy concrete under conditions dry hot climate. Universum: технические науки, (1-3 (94)), 59-63.

30.Bakhodir, R., Adkhamjon, M., & Bakhtiyorovich, M. M. (2022). SHRINKAGE DEFORMATIONS OF CONCRETE IN NATURAL CONDITIONS OF THE REPUBLIC OF UZBEKISTAN. Universum: технические науки, (2-7(95)),20-24.

31.Tuxtamirzaevich, M. A. (2021). Presowing Treatment of Pubescent Cotton Seeds with a Protective and Nutritious Shell, Consisting of Mineral Fertilizers in an Aqueous Solution and a Composition of Microelements. Design Engineering, 7046-7052.

32.Mamadaliyev, A. T. (2021). son Bakhtiyor Maqsud, Umarov Isroil. Study of the movement of pubescent seeds in the flow of an aqueous solution of mineral fertilizers. A Peer Revieved Open Access International Journal, 10(06), 247-252.

33.Sh, B. (2022). Rizaev, AT Mamadaliyev, МБ Мухитдинов. Shrinkage deformations of concrete in natural conditions of the republic of Uzbekistan. Universum. Технические науки: электрон научн. журн, (2), 95.

34. Ризаев, Б. Ш., Мамадалиев, А. Т., Мухитдинов, М. Б., & Одилжанов, А. (2022). Анализ эффективности использования порыстых заполнителей для лёгких бетонов. Экономика и социум, (2), 93.

35.Sh, B. (2022). Rizaev, AT Mamadaliyev, II Umarov. Deformativity of reinforced concrete columns from heavy concrete under conditions dry hot climate. Universum. Технические науки: электрон научн. журн, (1), 94.