

**“Arxitektura, qurilish, dizayn va shaharsozlik” yo‘nalishidagi ilmiy faoliyatga oid davlat maqsadli dasturi doirasida dolzarb muammolarni hal etish va aniq mahsulotga qaratilgan  
MAQSADLI DASTURI**

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| <p>1. “Kvarts” AJ chiqindisi asosida sement sinovlari uchun ko‘p fraksiyalı standart qum ishlab chiqarish texnologiyasini ishlab chiqish</p>  | <p><b>Tadqiqot shakli:</b> Amaliy.</p> <p><b>Ilmiy tadqiqot natijalari:</b></p> <p>“Kvarts” AJda yiliga hosil bo‘ladigan va tarkibidan standart qum olish mumkin bo‘lgan 400 tonnagacha kvarts qumi chiqindisini kompleks o‘rganish, mineralogik, kimyoviy va granulometrik tavsiflash hamda sement sinovlari uchun yaroqli xomashyoni saralash mezonlari ishlab chiqiladi;</p> <p>chiqindi qumni kimyoviy ishlov berib yot jinslar va zararli aralashmalardan tozalash, suv bilan yuvish, quritish, kimyoviy tarkibini nazorat qilish, 0,1–0,5 mm, 0,5–1,0 mm va 1,0–2,0 mm o‘lchamli fraksiyalarga ajratish, belgilangan nisbatda aralashtirish hamda 1 350 g li nam o‘tkazmaydigan qadoqlarga joylashdan iborat yetti bosqichli texnologiya ishlab chiqiladi;</p> <p>mahsulotning kremniy dioksidi miqdori, namligi, qizdirishdagi massa yo‘qotishi, gil va changsimon aralashmalar miqdori, donadorlik tarkibi hamda etalon qumga muvofiqligi amaldagi milliy va davlatlararo standartlar, jumladan GOST 6139-2020 talablari bo‘yicha aniqlanadi. Standart qum qo‘llanib tayyorlangan sement qorishmalarining mustahkamlik ko‘rsatkichlari etalon qum natijalari bilan qiyosiy baholanadi;</p> <p>laboratoriya va tajriba-sanoat sinovlari asosida ko‘p fraksiyalı standart qumning texnologik reglamenti, texnik shartlari, sifat nazorati usullari va qadoqlash talablari ishlab chiqiladi. Mahsulotni sertifikatlash va davlat ro‘yxatidan o‘tkazish uchun zarur hujjatlar to‘plami tayyorlanadi;</p> <p>respublikadagi sement ishlab chiqaruvchi korxonalarining yiliga 165 tonna yoki 122 222 dona qadoq standart qumga bo‘lgan ehtiyoji mahalliy mahsulot hisobidan to‘liq qoplanadi. Import mahsulotining bir qadoq narxi 28 000 so‘m bo‘lgan sharoitda mahalliy mahsulotning xomashyo va ishlab chiqarish tannarxi 12 500 so‘mni, uskunalar amortizatsiyasi hisobga olinganda esa 15 344,72 so‘mni tashkil etishi prognoz qilinadi;</p> <p>texnologiyani joriy etish natijasida sanoat chiqindisi barqaror xomashyo manbaiga aylantiriladi, chiqindini saqlash va utilizatsiya qilish xarajatlari kamaytiriladi, sement mahsulotlari sifatini nazorat qilish uchun zarur bo‘lgan standart qum importi 100 foizga qisqartiriladi.</p> <p><b>Natijalarni sinovdan o‘tkazish.</b> Ishlab chiqilgan texnologiya “Kvarts” AJ sharoitida tajriba-sanoat miqyosida sinovdan o‘tkaziladi. Tayyor mahsulot akkreditatsiyadan o‘tgan sinov laboratoriyasida etalon standart qum bilan qiyosiy baholanadi hamda respublikadagi sement ishlab chiqaruvchi korxonada sementning fizik-mexanik xossalarini aniqlash sinovlarida qo‘llanadi. Mahsulotdan amaliy foydalanish mumkinligi to‘g‘risida “O‘zsanoatqurilishmateriallari” uyushmasi va tegishli vakolatli tashkilot xulosasi olinadi.</p> <p><b>Ilmiy natijalarni chop etish.</b> Olingan tadqiqot natijalari intellektual mulk obyektlari uchun hujjatlar tayyorlanadi. Tadqiqot natijalari asosida tavsiyanomalar, o‘quv qo‘llanmalar, hamda nufuzli jurnallarda va Web of Science/Scopus ma’lumotlar bazasida indeksatsiyalangan jurnallarda maqolalar chop etiladi.</p> <p><b>Izoh.</b> Ushbu mavzuga taqdim etiladigan ilmiy loyihalar “Kvarts” AJ yoki “O‘zsanoatqurilishmateriallari” uyushmasi hamda tajriba-sanoat sinovlarini o‘tkazuvchi sement korxonasining qo‘llab-quvvatlash xatlari mavjud bo‘lganida qabul qilinadi.</p> |
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