BEHSAZAN

Industrial flooring, Concrete concrete, Additive and concrete fiber

About Us

Behsazan Housing Construction company has started its cooperation since 1993 with organizations, institutions, various state and private companies in the feild of development projects, and in line with expanding its services and the growing need of industry to industrial flooring systems, Has been determined to take advantage of the expert and efficient teams and the products of reputable companies to provide industrial flooring in accordance with the standards of the day to meet the needs of the country.

Behsazan Construction Company has been able to design, execute and supply more than 1,200,000 square meters of industrial flooring to major national and private projects, and this represents the success of this company this company in providing your good and trustworthy services

Hard Concrete

(Hardthin05-010)

It is a product that is made from hard mineral deposits and industrial slags with cement and admixtures in carefully and carefully controlled and internationally prepared standards. This product is executed concurrently with the floor concrete and ultimately the final coating is obtained in thickness from 1 to 2 centimeters (the thickness of the product is B.R.A in millimeters)
The reinforcement is made of granules with a diameter of 0.075 to 10 mm and a hardness of 6 to 8 on the Mins Scale. It is the only holder of a technical certificate from the Building and Housing Research Center and has Iso9001 standards.

Indications

Industrial factories, Military centers, Warehouses goods, Power plants, Parking lots, Terminals and Sizes, Cold stores, Airports, ports, Printing houses, Refineries, Petrochemicals, Automotive industry, Metro and Railway Station, Steel deck structures.

Advantages

High abrasion and compression strength | Anti dust in traffic | Steady product quality | Non shrinkage | Suitable for heavy traffic loads & forklifts | Redidtance against petrol, mineral, oils and anti-freezing | High grading resistance against acisd | Colorful | Low permeability | Non flammable | Resistance aganist different types of hearts | Easy to clean | Non slip | Scrub ability.

Technical Info

Specific mass weight:	1.65 g / cm^3
Actual specific gravity:	2.8 g / cm^3
Dimensions:	(4226 part 1 DIN) in accordance with m 0-10mm and m 0-10mm
Compressive strength (28 days):	850 kg / cm^2 to 850 kg / cm^2
Abrasion resistance (28 days):	(DIN52108) 1.8 cm^3 / 50 cm^2
Flexural strength (28 days):	180kg / cm^2
Color:	Black, Brown, Blue, Green, Red, White, Gray

Hard pressed concrete

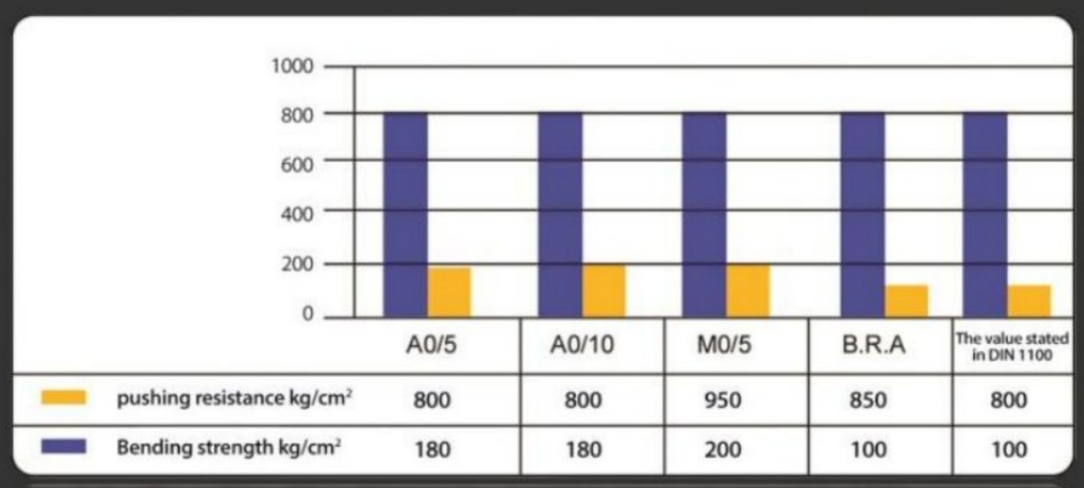
(Hardthin03)

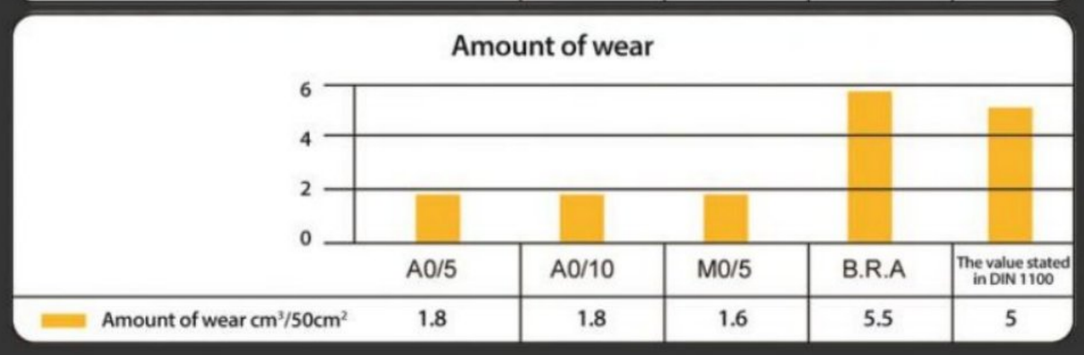
The Hard concrete acts an end-end coating, which is characterized by concrete reinforcement with good flexural strength and mechanical strength. This product is designed as a micronized powder with a grain size of less than 1 mm and is executed concurrently with concreting operations.

Technical Info

Property	A0/5	A0/10	B.R.A	M0/5	Description
Specific mass mass gr / cm3	1.65	1.65	1.65	2.7	In accordance with ASTM C29 / C29M-97
True gravity for gr / cm3	2.8	2.8	2.8	4.5	Using picnometer
Dimensions of grains (mm)	0.1-5	0.1-10	0.1-2	0.1-5	In accordance with DIN 4226 PART1
Initial time (hours)	1-3				In accordance with ASTM C807
Final time (hours)	7-10				At 25 + 1 laboratory temperature
Time to reach the final strength (type 1, 2 and 5 cement) of the day	28				The compressive strength of 3 and 7 days is 55% and 85% of 28-day resistance respectively
Time to run (min)	240-30	240-30	-	240-30	After the concrete (depending on the weather conditions of the site and the wind speed)
Color ability	Yes				White, Yellow, Red, Green, Orange ...
Permitted Color Percentage	Maximum 5% of cement weight				More than that, it causes a lack of uniformity

Mechanical Info





Low Hard Thin-Terrazzo Concrete

(HardThin24)

This concrete was first produced in the country and implemented in large national and overseas projects. Its properties include a very high abrasive compressive strength and a high adhesion to the underlying layer. This unique product is the perfect choice for projects with a height or loading limit. This cocrete can also be used as the final floor using colored aggregates (scales) or suitable material for the application of all industrial floorin.

Advantages

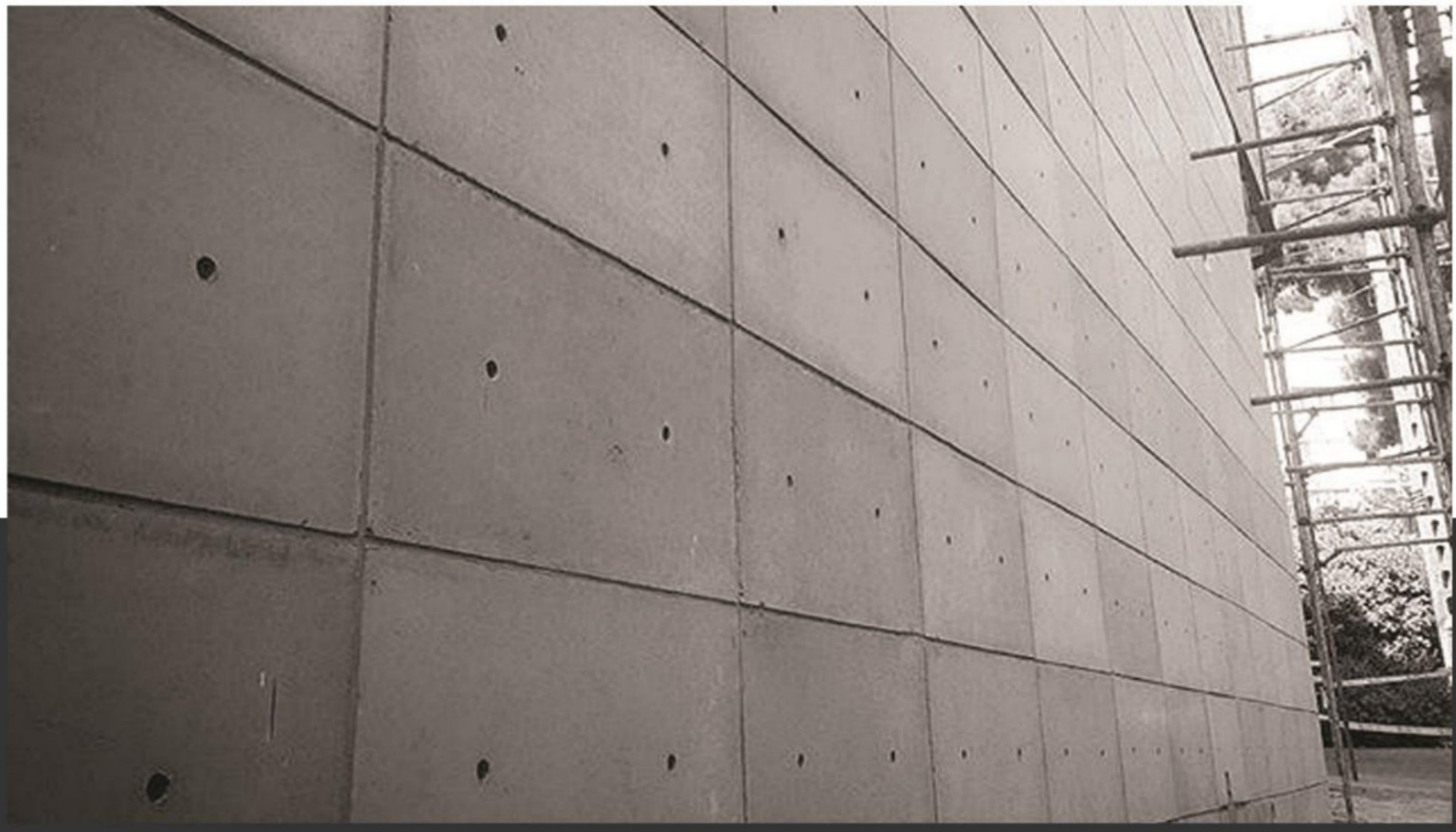
Waterproof
Color scheme
Very low permeability
Proper adhesion to the underlayer
Dynamic and static load bearing
Excellent wear and tear resistance

Specifications

Color: Ability to run in a variety of colors and using colored aggregates and glass of various sizes
Thickness: Runability up to 2 cm
Durability an resistance: The ingredients of this cocrete., include ultrafiltration, microsilica, fibers Concrete, etc which. In different environmental conditions results in extremely high resistance, durability and adhesion.

Exposed Concrete

This concrete, which is long-term or medium-term, and the surface of concrete, is the final surface of the work, and does not cover it or other materials. Of these cocrete types, cocrete buildings or bridges can be mentioned. in the excution of cocrete oxide the final surface should be smooth, polished and beautiful. The Presence of porosity in cocrete, crevice or stairs in cocrete can cause cocrete impermeability.



Important Notes

Use new and healthy templates | Precision in the aligment of templates | The proper inhibition of molds by bolt and ramka | Use the proper mixing plan | Full sealling of templates | Vibration suitable for extracting air bubbles, espesially in the vicinity of the mold
Concrete is available in prefabricated form in various sizes and shapes.
Restoration in expanded cocrete, like other sites depending on dimensions, location, thickness, Structural oe non-structural requires different techniques to be used.
In general, two poritions and techniques that can be successful in restoring concrete exposure are: Use of a percentage of white cement in a mix of concrete.

Restoration

The granulation of the repair mortar, as well as the final and final subfloor, will the repaired.

Self-leveling mortar

(BSL)

This unique flooring is based on cement and resin and has an integrated surface, high abrasion resistance and a thickness of 3 to 5 mm, suitable for repairing old concrete.

Indications

This product is on rugged concrete and cement mortar internal surfaces, this product is directional archieving the flat surfaces of table from being epoxy-coated, polyurethane, laminate, parquet and PVC flooring or rubber is ideal.
Due to the difficulty of this product, it has direct operated capability garages, basements, forklift trucks and points inthey are exposed to oil spilld . If used product is eaterproof in wet areas.

Property

Ideal for leveling the floor, before the final layer.
No need to seam without leaving.
Excellent adhesion and high compressive and flexural strength.
Dry period in short time.
High performance speed.
Possibility to install tiles or metal plates after 4 to 6 hours.
Mixable with aggregate for more thickness.
No toxic substances, odorless and free of volatile organic compounds.

Decorative Concrete

This concrete is one of the best cement coatings for pavement pavement, walls, enclosures, interior and exterior spaces. In this method, using colored powders containing natural and very hard aggregates and various molds, various designs in different colors, are created on the new concrete surface.

Indications

Plans of colors are very diverse | Increase the abrasion resistance of concrete | Integrated and seamless | Run very fast | Affordable | Long lifespan | Non–slip

One-component and two-component sealant mastic

It has excellent adhesion to concrete and other constructional surfaces as good resistance to environmental and atmospheric corrosive agents. This product is stable due to its high elasticity with structural motions and no shrinkage.

One Seal Technical Info

Color: White, Black, Tossy
Specific gravity: 1.2 g / cm^3
Physical state: paste
Consumption: 1.5 to 1.5 grams for coating

Double Seal Technical Info

Color: Available in different colors
Specific gravity: 1.8 grams per cubic centimeter
Physical state: Duplicate paste
Consumption: 1.8 kg per cubic centimeter

Fiber Concrete

In fact, it is a composite that greatly improves with the use of reinforcing fibers in the concrete mixture, its tensile strength and compression strength. The concrete combination with fiber is well-integrated and consistent, and the use of concrete as a formable material for production Provides resistant surfaces. The fibers in the concrete are dispersed multi-dimensionally and in the case of cracking in different directions, it creates connections and prevents crack expansion.

Indications

A suitable alternative to the thermal armature | Industrial flooring and landscaping | Concrete pavement of highways, roads and airports, tunnels, bridges and canal Shuttercrime | Concrete exposed to corrosion | Steel deck ceilings | Structural slab and connecting beams to columns

Advantages

Resistance to wear and tear Resistance to fatigue tension | Excellent resistance to impact | Tensile strength and high relative deformation capacity | Loading capacity after cracking | Increase in energy absorption | Reduced concrete permeability | Increase of flexural strength due to I / D parameter (length to cross section).

Standards

SDI-C 1.0-2006

ACI544.IR-96

ASTM A820-06

ASTM C-1116

ASTM D7508