

# DUVILAX® BD-20

## Properties

Homopolymeric polyvinyl acetate dispersion in the aqueous environment containing an external plasticiser. The emulsion system consists of a non-ionic emulsifier and polyvinyl alcohol as a protective colloid. It is biodegradable.

## Application

Duvilax BD -20 is a universal dispersion with a wide range of applications. It is used as an additive for the production and improvement of the properties of mortars, plasters, cement screeds and other building mixtures with the dosage of up to 5% by weight of cement or lime. In addition to acting as a binder, it improves the mechanical properties of building mixtures, their consistency, processability, cohesiveness, leveling and surface smoothing ability, resistance to mechanical stress and reduces water permeability. After dilution with water in the ratio of 1:5 to 1:8, it is suitable for penetration of excessively absorbent surfaces prior to bonding with dispersion adhesives, prior to painting interiors and prior applying dispersion plasters. It is suitable for the production of interior paints and plasters, in which it serves as a dispersion binder and provides abrasion resistance. Duvilax BD 20 is also used as a universal dispersion adhesive for paper and cardboard - cardboard lamination, production of paper packaging materials and other paper products, printing industry etc. In the textile industry, it is used for stiffening textiles. In the manufacture of carpets, it is used as a basic component of a mixture for reverse treatment. It is also used for the production and modification of adhesives and sealants for various areas of industry and as a universal household adhesive. Duvilax BD 20 may be used for bonding materials coming into contact with food and for production of children's toys.

## Packaging

plastic packages: 1kg, 3kg, 5kg and 10kg pails, 30kg keg, 125kg and 200 kg barrel; plastic IBC 1,000 kg; rail and car tank.

## Parameters

appearance	viscous liquid of white colour
dry matter content	min. 53,5 %
viscosity	3 000 – 8 000 mPa.s (Rheotest) 4 000 –32 000 mPa.s (Brookfield RVT, ISO 2555)
pH	3 – 6
min. film forming temperature	2 °C
film properties	transparent, elastic, soft and slightly sticky

## Storage

Duvilax BD-20 is stored in the original, undamaged and closed containers, at the temperature ranging from 5°C to 40°C; it must not be exposed to direct sunlight. Goods delivered in tankers are stored in specially designed reservoirs protected against corrosion due to the effect of the slightly acid environment. Free access of air from the surrounding environment needs to be prevented in reservoirs (for example via a water valve) or reservoirs need to be equipped with an agitator. Avoid mixing with other agents and micro-biologically defective material. After emptying a reservoir, the reservoir needs to be cleaned and disinfected with a biocidal agent.

## Warranty

The guarantee period for the product delivered in packing up to 15 kg gross is 24 months. For the rest of the packagings it is 6 months, in the case of keeping the storage conditions mentioned above.

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This technical data sheet cancels all previous versions and replaces them. Information contained therein are not binding and are only of an informative and general character. They are based on our own experience, research and objective testing. The product meets the above specifications only during the warranty period and under the conditions in this data sheet. The company Duslo, Inc. does not guarantee the suitability of the product for a particular purpose. Use of the product for a specific purpose, including suitability for a particular purpose and methods of its use, is the customer obliged to test in specific technology conditions. Information relating to health and safety at work are provided in the Material Safety Data Sheet. More product information, details and contacts are available on [www.duslo.sk](http://www.duslo.sk). Written and / or oral advice, relating to a product, has the character of a non-binding recommendation.