



SYNTOIL S.A.
53-329 WROCŁAW
PLAC POWSTAŃCÓW ŚLĄSKICH 17A / 222
biuro@syntoil.pl

Last updated: 25.04.2025

Water based pigment based on high molecular weight technical carbon black for coloring concrete and cement lime-mortars.

1. Application:

- Coloring of concrete products e.g. concrete cubes, concrete slabs, curbs, etc.
- Coloring of architectural and façade concretes.
- Coloring of cement-based and/or lime-based mortars.
- Staining of buliding components with gypsum-based binder.

2. Usage features:

- Pigment with increased resistance to alkali, weather and UV rays- in order to achieve maximum color fastness in concrete, we recommend the use of sealing and hydrophobizing admixtures in the structural and texture layer of products.
- Thoroughly dispersed pigment in water based on recycled carbon black for excellent distribution in the concrete mix to guarantee uniform coloring of finished products.
- Easy to dispense using automatic dispensing systems.

Technical Sheet No. 25/04/2025_PCB_SYNCARBO 45-35-C



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3. Technical data:

Color	Black
Base	Aqueous dispersion of high molecular weight technical carbon black
Physical form	Water dispersion
Density [g/cm ³]	1,25±0,10
Viscosity [mPas]	200-2000
Solids content [%]	About 45

4. Usage/dosing:

Dispense with automatic equipment and/or manually.

Recommended: 1 – 10% by weight of cement

Optimal: 4 – 6% by weight of cement

- The dosage should be selected ,during preliminary tests, depending on the desired intensity of coloring directly on the moist aggregate.
- Maintain repeatable mixing parameters during dosing.

5. Packaging:

- Pallet-container - 1000 kg
- 15 kg packaging (non-returnable)
- 100 kg packaging (non-returnable)
- As agreed with the customer

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6. Storage and transportation:

Transport and store the product in original, undamaged containers at +5°C to +25°C. Protect from frost and strong sunlight and unsealing of the packaging. Mix the product thoroughly before use.

7. Manufacturer's liability period

12 months from the production date on the package

8. Implementation Tips:

- The optimal mixing time should be selected according to the raw materials used and the type of mixture.
- Changes in the water-cement ratio during concrete production can cause differences in the coloration of finished elements.
- The risk of carbonate efflorescence can be reduced by using concrete admixtures.
- Changing the type or manufacturer of cement/binder may change the shade of the final product.
- In order to select the correct shade and/or mix with other pigments, it is advisable to perform tests with different dosages of dye.
- The color of the finished product may change during operation due to the following factors: carbonate efflorescence, the progressive hydration process of cement, abrasion of the texture layer, as well as the penetration of dirt and dust into the surface micropores.

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9. Notes and contraindications:

- Detailed health, safety and ecological information is provided in the Safety Data Sheet.
- Do not use for solvent and alcohol-solvent systems.