



Fibers for Life.

JRS Industrial Applications

Natural and plant based products.

For Construction Chemical and Coating products/applications.



Natural Fibers for further Applications

Tile Adhesive



Spackle/Putty



Plaster



Paints



General Functions of the Fiber



Transport liquids from A to B



Connect substances

$$\bullet + \bullet = \bullet$$

Synergize with other thickening agents



Reduce cracking



Increase productivity



Tablet disintegrant



Disintegrating solids



Accelerate processes



Store materials in the interior



Coat/cover materials



Separate solids from liquids



Replace dangerous materials

ARBOCEL® Cellulose Fibers

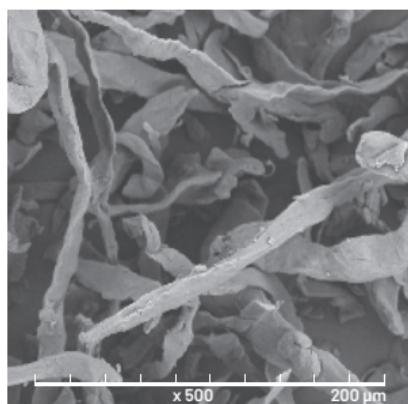
What are ARBOCEL® Cellulose Fibers?

ARBOCEL® is a powdery to fibrous cellulose additive for use in construction chemical products. A whole range of natural and renewable raw materials is available to produce sustainable products.

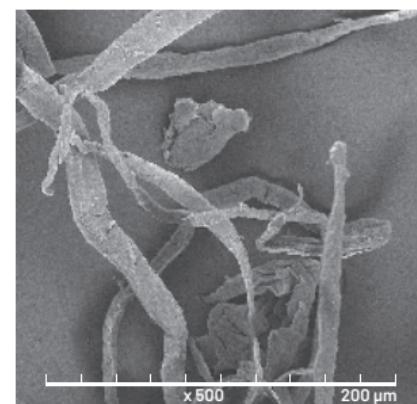
Fibers are available in various qualities (fiber length, thicknesses, purities, etc.) for a very wide range of industrial applications.

Properties:

- › Positive influence on workability / thixotropic behavior
- › Reduction of slipping
- › Prolongation of open time in dry mortars
- › Reduction of micro cracks



SEM ARBOCEL® BWW 40



SEM ARBOCEL® BC 1000



**ARBOCEL® BWW-40 /
PWC-500 / ZZC-500**

ARBOCEL® Cellulose Fiber Gels

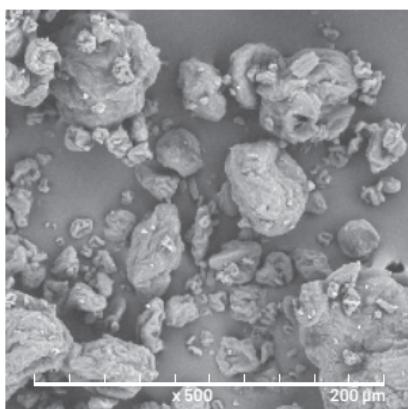
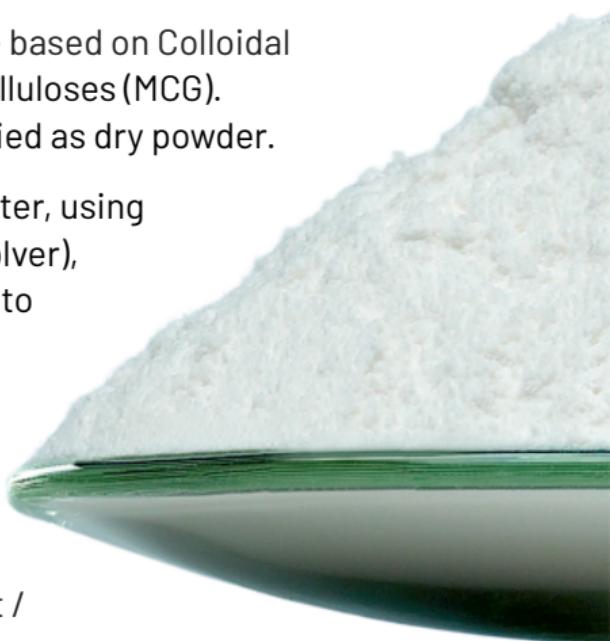
What are ARBOCEL® Cellulose Fiber Gels?

ARBOCEL® gels are based on Colloidal Microcrystalline Celluloses (MCG).
Products are supplied as dry powder.

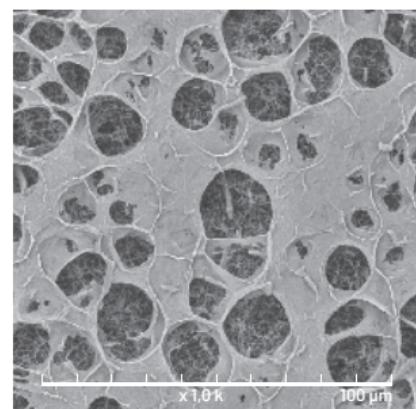
By dispersing in water, using shear energy (dissolver), they are converted to a stable gel.

Properties:

- › Very good stabilizing effect
- › Thickening effect / rheology regulation
- › Positive effect on open time
- › Avoid phase separation (syneresis)



SEM ARBOCEL® P 4000 S



SEM ARBOCEL® P 4000 S

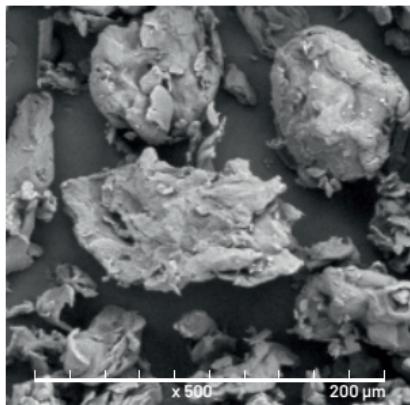
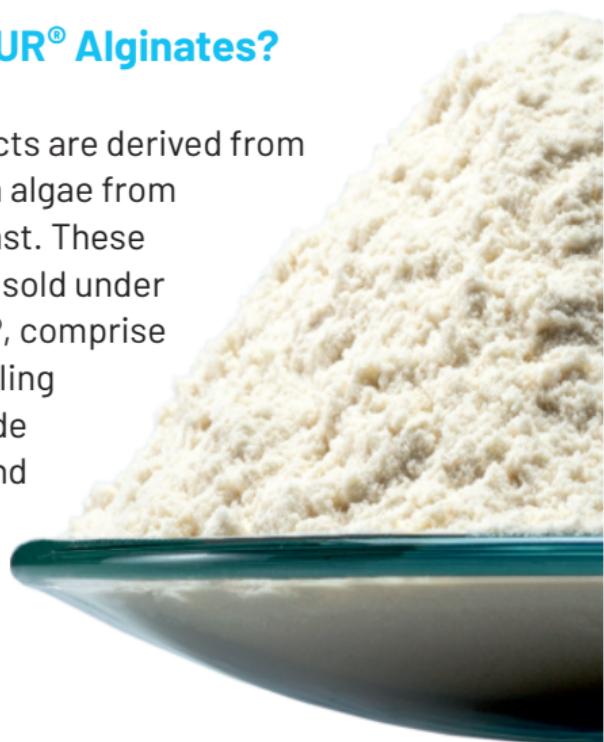


ARBOCEL® P-4000
activated gel approx. 3 %

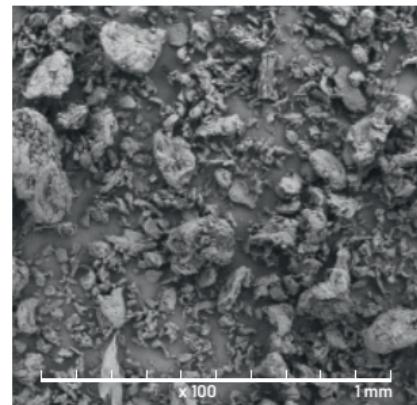
Alginates

What are VIVAPUR® Alginates?

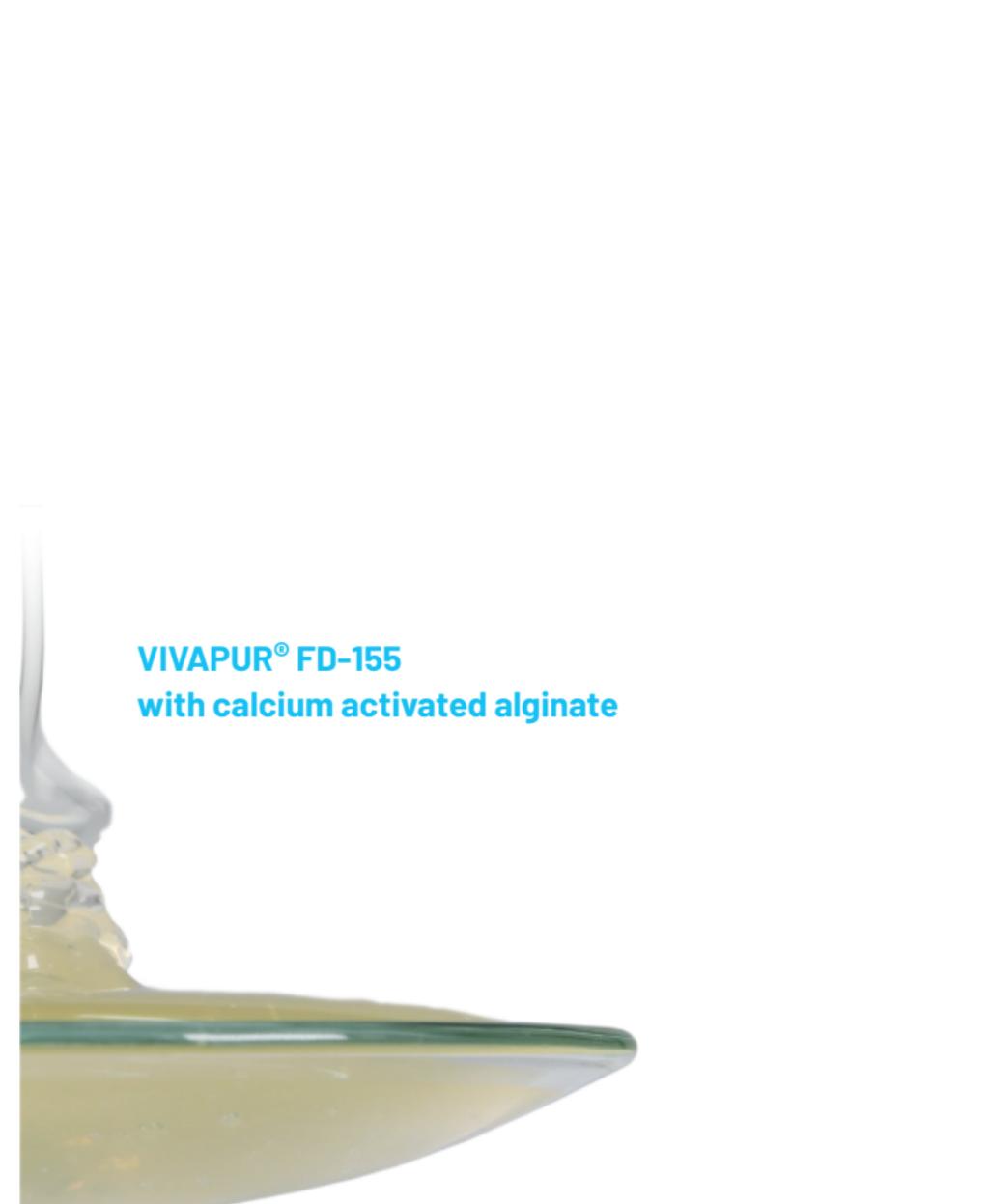
JRS alginates products are derived from a rich field of brown algae from French Brittany coast. These specialty products, sold under the name VIVAPUR®, comprise thickening and gelling agents which provide viscosity, texture and stability required for versatile applications.



VIVAPUR® FD 155



VIVAPUR® FD 155



VIVAPUR® FD-155
with calcium activated alginate

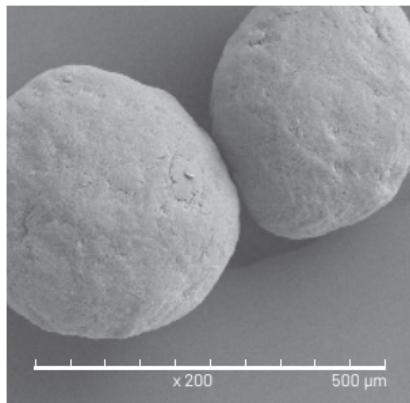
Spheres

What are ARBOCEL® Cellulose Spheres?

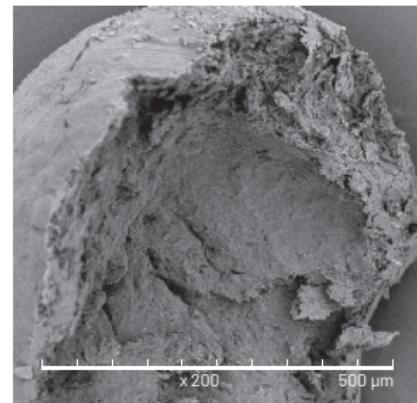
ARBOCEL® spheres are solid cellulose beads based on Microcrystalline Cellulose. Different sizes are available.

Properties:

- › Solid spherical granulates in different sizes
- › Natural alternative to plastic microbeads
- › Nearly no swelling
- › Insoluble in water and most organic solvents



SEM ARBOCEL® Spheres 400



SEM ARBOCEL® Spheres 800



Competence in Construction Chemistry

Development / Application Technology

Our aim is to be responsive to market demands and to develop innovative products that excel in your applications.

We can offer you the following services:

- › Reformulation and technical support
- › Standard tests
- › Application tests

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