

CERAMIC AUXILIARIES

HEAVY CLAY

Product overview



ZSCHIMMER & SCHWARZ

AUXILIARIES FOR GLAZE, ENGOBE AND GRANULATE PREPARATION

PRODUCT	VISCOSITY	DRYING TIME	YIELD POINT
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RHEOLOGICAL ADDITIVES

PEPTAPON 71 S	+	+++	+
PEPTAPON 88	+	+	++
PEPTAPON 205	++	+	+++

TEMPORARY BINDERS

OPTAPIX C 50 G	++	++
OPTAPIX C 1000 G	+++	+++
OPTAPIX G 35	n	n

Parameter classification

n neutral + basic ++ medium +++ high/long

WETTING AGENTS

PRODUKT KG 9046	Improvement of the overglazing properties of difficult surfaces
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MEDIUMS FOR GRANULATE APPLICATION

DOLAFIX 1032	Glaze fixative to fix granules on dry and wet surfaces
GRANICER 6000	Ideal for dry application of grit
GRANICER 7068	Ideal for low quantity of grit per square metre
GRANICER 7070	Ideal for high quantity of grit per square metre



AUXILIARIES FOR BODY PREPARATION

PRODUCT	MIXING WATER	PLAS- TICITY	DRY BREAK- ING STRENGTH (MOR)	MOISTURE IN QUARRY CLAY
CLAYFORM B 2	▲		▲	
CLAYFORM B 62	▲		▲	
CLAYFORM V 7	▲			
CLAYFORM V 13	▲			
CLAYFORM V 65	▲			
CLAYFORM V 67	▲			
CLAYFORM P 2	▲	▲		
CLAYFORM P 17		▲	▲	
CLAYFORM P 51		▲	▲	
CLAYFORM GF PS				▲

BENEFITS

- ▶ Reduction of mixing water ratio: reduce energy consumption during shaping and drying
- ▶ Increase in dry breaking strength (MOR): reduce breakage and scrap
- ▶ Control of plasticity: allow the use of less plastic raw materials and the shaping of complex geometries
- ▶ Products to bind moisture in quarry clay: increase the stiffness of quarry clay



OUR LABORATORY EQUIPMENT

BODY PREPARATION

- ▶ Jaw crusher
- ▶ Crossbeater mill
- ▶ Duplex kneader
- ▶ EIRICH mixer
- ▶ Evactherm®

SHAPING

- ▶ Piston extruder
- ▶ Vacuum screw extruder

MEASURING OPTIONS

- ▶ Extrusion pressure, power input, torque
- ▶ Pfefferkorn
- ▶ Penetrometer
- ▶ Modulus of rupture / dry breaking strength
- ▶ Dry matter
- ▶ Bending strength
- ▶ Shrinkage
- ▶ Water absorption
- ▶ Light microscopy
- ▶ Density (submersion method)





ZSCHIMMER & SCHWARZ GROUP

Zschimmer & Schwarz is an internationally active company with headquarters in Lahnstein near Koblenz, Germany. The company has been family-owned since its foundation in 1894 in Chemnitz, Germany.

Our core business is the development, production and supply of tailor-made chemical auxiliaries for the leather, fur, ceramic, textile and chemical fibre industries. Manufacturers of cleaning agents, personal care products, paints and coatings, lubricants and industrial applications all over the world trust in the company's chemical specialities as well.

The corporate group Zschimmer & Schwarz comprises 30 companies in 17 countries on five continents, 22 of which have their own production facilities. Our customers can always rely on a uniform quality standard worldwide and equally on the high service orientation of our local experts.



Chemistry tailor-made

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For more information about our ceramic auxiliaries and lab equipment, please visit zs-showroom.com/ceramics