KAZ CHEMICALS

# 2025

# PRODUCT CATALOGUE

HIGH-QUALITY RAW MATERIALS FOR PAINTS & COATINGS AND CONSTRUCTION CHEMICALS OVER 49 READY-MADE SOLUTIONS FOR THE PRODUCTION OF PAINTS, MIXES, ADHESIVES, AND PROTECTIVE COATINGS

- ACRYLIC DISPERSIONS — FOR INTERIOR AND EXTERIOR PAINTS, PRIMERS, IMPREGNATIONS.
- CELLULOSE ETHERS (HPMC) — FOR CONSTRUCTION MIXES, ADHESIVES, PLASTERS, AND SELF-LEVELING FLOORS.
- SPECIALIZED ADDITIVES — DISPERSANTS, THICKENERS, BIOCIDES, MODIFIERS, AND MUCH MORE.

LEARN MORE →

# ACRYLIC DISPERSIONS FOR INTERIOR AND EXTERIOR

## INTERIOR AND EXTERIOR COATINGS / HIGH HIDING POWER AND WEATHER RESISTANCE





### AD-30I - ACRYLIC DISPERSION FOR INTERIOR PAINTS

Film hardness, Shore A: 45
Dry solids content, %: 50±2
Viscosity, mPa·s (23°C): 1000-3000
pH: 7.5-9.0
MFFT, °C: 5
Hiding power (contrast ratio), %: >98
Wet scrub resistance (GOST class): 1
Tack-free time, min: 30

### AD-45F - ACRYLIC DISPERSION FOR EXTERIOR (FACADE) PAINTS

Film hardness, Shore A: 55
Dry solids content, %: 50±2
Viscosity, mPa·s (23°C): 1500-4000
pH: 8.0-9.5
MFFT, °C: 15
UV stability (quartz UV, 500h), ΔE: < 2.0
Water absorption of film (24h), %: < 15
Water vapor permeability, mg/(m·h·Pa): ≥ 0.05

# UNIVERSAL DISPERSIONS FOR PRIMERS AND ELASTIC COATINGS

## PRIMERS AND CRACK-RESISTANT FORMULATIONS / STRENGTHENING AND ELASTICITY

### AD-25G - UNIVERSAL DISPERSION FOR DEEP-PENETRATION PRIMERS

Dry solids content, %: 40±2
Viscosity, mPa·s (23°C): 50-500
pH: 7.0-8.5
MFFT, °C: 0
Penetration depth into cement mortar, mm: ≥ 5
Adhesion to concrete (pull-off), MPa: ≥ 1.5

### AD-60E - ELASTIC DISPERSION FOR CRACK-RESISTANT COATINGS

Film hardness, Shore A: 30
Dry solids content, %: 55±2
Viscosity, mPa·s (23°C): 2000-6000
pH: 8.0-9.0
MFFT, °C: 0
Elongation at break, %: ≥ 400
Tensile strength, MPa: ≥ 2.0



# DISPERSIONS FOR WASHABLE AND MATT COATINGS

## INTERIOR SOLUTIONS / WASHABLE AND MATT COATINGS

### AD-75W - DISPERSION FOR WASHABLE PAINTS

Film hardness, Shore A: 65
Dry solids content, %: 48±2
Viscosity, mPa·s (23°C): 2000-5000
pH: 8.5-9.5
MFFT, °C: 20
Wet scrub resistance (GOST class): 1 (enhanced)
*Resistance to soap-soda solution (20 cycles):* No change

### AD-20M - MATT DISPERSION FOR PAINTS WITH A VELVET EFFECT

Film hardness, Shore A: 40
Dry solids content, %: 52±2
Viscosity, mPa·s (23°C): 3000-8000
pH: 7.5-8.5
MFFT, °C: 10
Gloss at 60°, GU: < 5



# GLOSSY AND THIXOTROPIC DISPERSIONS

## DECORATIVE AND SPECIAL COATINGS / GLOSS AND THIXOTROPY

### AD-85G - DISPERSION WITH GLOSSY EFFECT

Film hardness, Shore A: 70
Dry solids content, %: 45±2
Viscosity, mPa·s (23°C): 1000-3000
pH: 8.0-9.0
MFFT, °C: 25
Gloss at 60°, GU: > 85

### AD-15T - THIXOTROPIC DISPERSION FOR VERTICAL SURFACES

Dry solids content, %: 55±2
Viscosity at low shear rates, mPa·s: > 10000
*Thixotropic index (10 rpm / 100 rpm):* > 3.5
pH: 8.0-9.0
MFFT, °C: 12



# FAST-DRYING AND FROST-RESISTANT DISPERSIONS

## SPECIAL CONDITIONS / FAST DRYING AND FROST RESISTANCE

### AD-50R – FAST-DRYING DISPERSION

Dry solids content, %: 50±2
Viscosity, mPa·s (23°C): 800-2000
pH: 8.5-9.5
MFFT, °C: 18
Tack-free time at 23°C, min: ≤ 15

### AD-90S – SUPER FROST-RESISTANT DISPERSION

Film hardness, Shore A: 35
Dry solids content, %: 50±2
Viscosity, mPa·s (23°C): 1500-4000
pH: 7.5-8.5
MFFT, °C: -10
Film brittleness temperature, °C: ≤ -40



# BIOCIDAL AND ECO-FRIENDLY DISPERSIONS

## PROTECTION AND ECOLOGY / BIOCIDAL AND LOW-VOC FORMULATIONS

### AD-65B - DISPERSION WITH BIOCIDAL PROTECTION

Dry solids content, %: 48±2
Viscosity, mPa·s (23°C): 2000-5000
pH: 8.0-9.0
MFFT, °C: 15
Efficacy against Aspergillus niger (28 days): Complete suppression

### AD-55V - DISPERSION WITH LOW VOC CONTENT

Dry solids content, %: 50±2
Viscosity, mPa·s (23°C): 1000-3000
pH: 7.0-8.0
MFFT, °C: 10
VOC content, g/l: < 5





# DISPERSIONS WITH ENHANCED ADHESION AND CONCENTRATES

## COMPLEX SURFACES AND ECONOMICAL SOLUTIONS / ADHESION AND CONCENTRATION

### AD-70A - DISPERSION WITH ENHANCED ADHESION

Dry solids content, %: 52±2
Viscosity, mPa·s (23°C): 1500-4000
pH: 7.5-8.5
MFFT, °C: 20
Adhesion to PVC (cross-cut), rating: 0

### AD-10C - CONCENTRATED DISPERSION

Dry solids content, %: 65±2
Viscosity, mPa·s (23°C): 5000-15000
pH: 8.0-9.0
MFFT, °C: 25



# DISPERSION FOR WOOD AND UNIVERSAL HPMC

## WOOD PROTECTION AND CONSTRUCTION MIXES / UNIVERSAL SOLUTIONS




### AD-80P - DISPERSION FOR PROTECTIVE-DECORATIVE WOOD IMPREGNATIONS

Dry solids content, %: 35±2
Viscosity, mPa·s (23°C): 20-100
pH: 7.0-8.0
MFFT, °C: 0
Penetration into pine wood, mm: ≥ 3

### HPMC-100M - HPMC FOR GENERAL-PURPOSE CONSTRUCTION MIXES

Viscosity (2% solution, 20°C), mPa·s: 100 000
Gelation temperature, °C: 60-70
Methoxy content, %: 28.0-30.0
Moisture content, %: ≤ 5.0

# HPMC FOR THIN-BED MORTARS AND SELF-LEVELING FLOORS

## THIN-BED MIXES AND SELF-LEVELING FLOORS / FLOW CONTROL AND PLASTICITY

### HPMC-75T – HPMC FOR THIN-BED MORTARS

Viscosity (2% solution, 20°C), mPa·s: 75 000
Gelation temperature, °C: 65-75
Methoxy content, %: 28.5-30.0
Moisture content, %: ≤ 5.0

### HPMC-40F – HPMC FOR SELF-LEVELING FLOORS

Viscosity (2% solution, 20°C), mPa·s: 40 000
Gelation temperature, °C: 60-70
Methoxy content, %: 19.0-24.0
Moisture content, %: ≤ 5.0



# HPMC FOR ADHESIVES AND HEAVY TILE

## ADHESIVE FORMULATIONS / FOR TILE AND HEAVY MATERIALS

### HPMC-60K – HPMC FOR ADHESIVE FORMULATIONS

Viscosity (2% solution, 20°C), mPa·s: 60 000
Gelation temperature, °C: 60-70
Methoxy content, %: 28.0-30.0
Moisture content, %: ≤ 5.0

### HPMC-90H – MODIFIED HPMC FOR HEAVY TILE AND STONE

Viscosity (2% solution, 20°C), mPa·s: 90 000
Gelation temperature, °C: 65-75
Methoxy content, %: 28.5-30.0
Moisture content, %: ≤ 5.0



# HPMC FOR PAINTS & COATINGS AND RETARDED WATER ABSORPTION

## PAINTS & COATINGS AND HOT CLIMATE / STABILIZATION AND WATER RETENTION

### HPMC-15L – HPMC FOR PAINTS & COATINGS MATERIALS

Viscosity (2% solution, 20°C), mPa·s: 15 000
Gelation temperature, °C: 60-70
Methoxy content, %: 28.0-30.0
Moisture content, %: ≤ 5.0

### HPMC-120S – HPMC FOR MIXES WITH RETARDED WATER ABSORPTION

Viscosity (2% solution, 20°C), mPa·s: 120 000
Gelation temperature, °C: 65-75
Full hydration time, min: 25-40
Moisture content, %: ≤ 5.0



# FAST-DISSOLVING AND HIGH-VISCOSITY HPMC

## PRODUCTION EFFICIENCY / FAST DISSOLUTION AND HIGH VISCOSITY

### HPMC-50R - FAST-DISSOLVING HPMC

Viscosity (2% solution, 20°C), mPa·s: 50 000
Gelation temperature, °C: 60-70
Dispersion time (lump-free dissolution), s: < 30
Moisture content, %: ≤ 5.0

### HPMC-200H – HIGH VISCOSITY HPMC

Viscosity (2% solution, 20°C), mPa·s: 200 000
Gelation temperature, °C: 65-75
Methoxy content, %: 28.5-30.0
Moisture content, %: ≤ 5.0



# HPMC FOR DECORATIVE AND MASONRY MIXES

## DECORATIVE AND MASONRY MORTARS / TEXTURE AND ADHESION

### HPMC-25D – HPMC FOR DECORATIVE PLASTERS

Viscosity (2% solution, 20°C), mPa·s: 25 000
Gelation temperature, °C: 60-70
Methoxy content, %: 28.0-30.0
Moisture content, %: ≤ 5.0

### HPMC-80C – HPMC FOR MASONRY AND INSTALLATION MORTARS

Viscosity (2% solution, 20°C), mPa·s: 80 000
Gelation temperature, °C: 65-75
Methoxy content, %: 28.0-30.0
Moisture content, %: ≤ 5.0



# HPMC WITH ENHANCED WATER RETENTION AND FOR GYPSUM

## SPECIAL SUBSTRATES / FOR CELLULAR CONCRETE AND GYPSUM MIXES

### HPMC-55W – HPMC WITH ENHANCED WATER RETENTION CAPACITY

Viscosity (2% solution, 20°C), mPa·s: 55 000
Gelation temperature, °C: 60-70
Water retention capacity, %: ≥ 99
Moisture content, %: ≤ 5.0

### HPMC-30G – HPMC FOR GYPSUM MIXES

Viscosity (2% solution, 20°C), mPa·s: 30 000
Gelation temperature, °C: 60-70
Moisture content, %: ≤ 5.0



# HPMC FOR FOAMED CONCRETE AND FACADE SYSTEMS

## SPECIALIZED MIXES / FOAMED CONCRETE AND FACADE COATINGS

### HPMC-65P – HPMC FOR FOAMED CONCRETE MIXES

Viscosity (2% solution, 20°C), mPa·s: 65 000
Gelation temperature, °C: 60-70
Moisture content, %: ≤ 5.0

### HPMC-110F – HPMC FOR FACADE PLASTERS AND PUTTIES

Viscosity (2% solution, 20°C), mPa·s: 110 000
Gelation temperature, °C: 65-75
Moisture content, %: ≤ 5.0





# DISPERSANTS FOR PIGMENTS

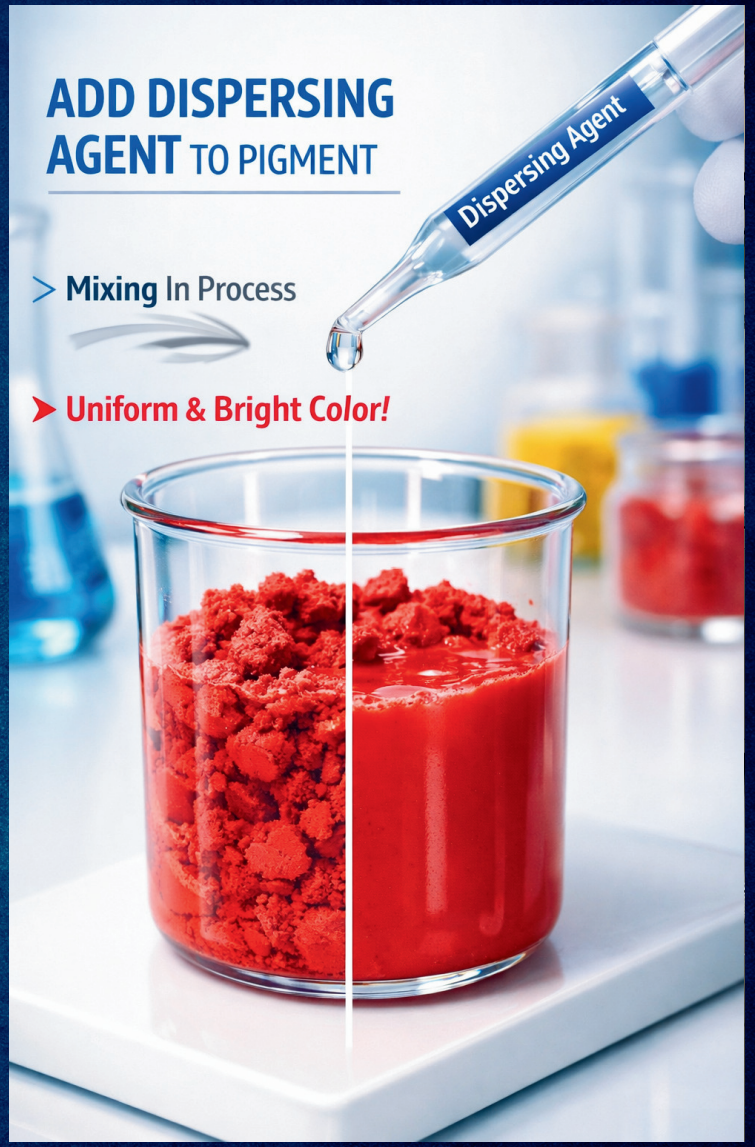
## PIGMENT SYSTEMS / DISPERSION AND WETTING

### DD-101 – UNIVERSAL DISPERSANT-WETTING AGENT

Active substance, %: 40±2
pH (10% aqueous solution): 7.0 - 8.5
*Density at 20°C, g/cm³:* ~1.1
Viscosity at 25°C, mPa·s: 100 - 300

### DD-202 – DISPERSANT FOR ORGANIC PIGMENTS

Active substance, %: 35±2
pH (10% aqueous solution): 8.0 - 9.5
*Density at 20°C, g/cm³:* ~1.0



# THICKENERS AND RHEOLOGICAL MODIFIERS

## RHEOLOGY CONTROL / THIXOTROPY AND WATER RETENTION

### ZG-205 – POLYURETHANE-BASED THICKENER

Active substance, %: 20±1
pH (neat product): 6.0 - 7.5
*Density at 20°C, g/cm³:* ~1.05
Intrinsic viscosity, mPa·s: 2000 - 5000

### MR-88 – RHEOLOGY MODIFIER

Viscosity (2% aqueous solution), mPa·s: 80000 - 120000
Moisture content, %: ≤5.0
Gelation temperature, °C: 60 - 65



# BIOCIDES AND PRESERVATIVES

## MICROBIAL PROTECTION / FOR PAINTS & COATINGS AND DRY MIXES

### BD-05 - BROAD-SPECTRUM BIOCIDE

Active substance (CMIT/MIT), %: 1.5 / 15.0
*Density at 20°C, g/cm³:* ~1.02
pH: 2.0 - 5.0

### CS-10 - PRESERVATIVE FOR CONSTRUCTION MIXES

Active substance (Bronopol), %: ≥95
Moisture content, %: ≤1.0
Melting point, °C: 130 - 135



# ANTIFREEZE AND PLASTICIZING ADDITIVES

## WORK IN WINTER CONDITIONS AND PLASTICIZATION / FROST RESISTANCE AND WATER REDUCTION

### AF-15 – ANTIFREEZE ADDITIVE

Main component content, %: ≥99.5
*Density at 20°C, g/cm³:* 1.035 - 1.040

### WR-20 – WATER-REDUCING PLASTICIZER

Main component: Propylene glycol
Dry substance, %: 35±2
*Density at 20°C, g/cm³:* 1.08 - 1.12
pH: 6.0 - 8.0



# FOAMING AND FLAME RETARDANT ADDITIVES

## LIGHTWEIGHT CONCRETE AND FIRE PROTECTION / FOAM FORMATION AND FIRE RESISTANCE



### PA-30 – FOAMING ADDITIVE

Dry substance, %: 30±2
*Density at 20°C, g/cm³:* ~1.05
pH: 6.5 - 7.5

### AP-25 –FLAME RETARDANT ADDITIVE

Phosphorus (P), %: ≥18
Nitrogen (N), %: ≥25
Moisture content, %: ≤1.0

# ANTICORROSION AND UV-STABILIZING ADDITIVES

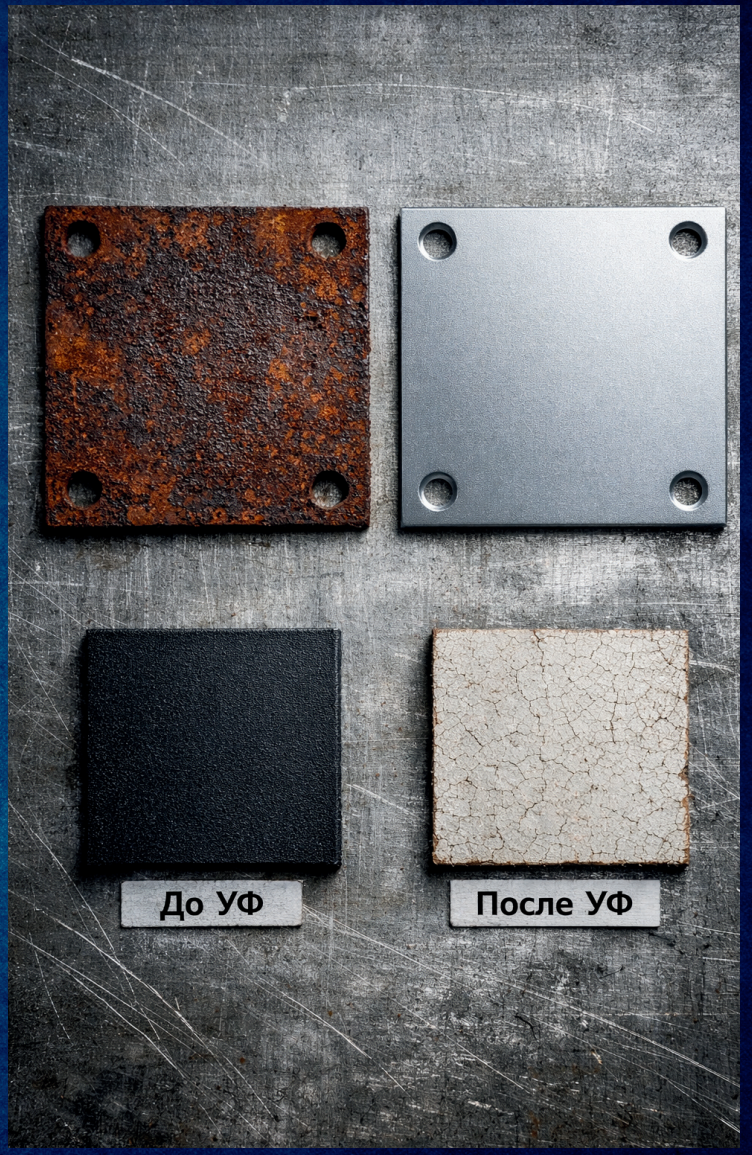
## PROTECTION OF METALS AND POLYMERS / CORROSION AND UV AGING

### AC-40 - ANTICORROSION ADDITIVE

Zinc phosphate ($Zn_3(PO_4)_2$) content, %: ≥96
Moisture content, %: ≤0.5
Specific surface area (BET), $m^2/g$: 8 - 12

### UV-50 - UV STABILIZER

Moisture content, %: ≤0.5
Melting point, °C: >120
Active groups content (HALS), %: ≥95



# DEFOAMERS AND ADHESION PROMOTERS

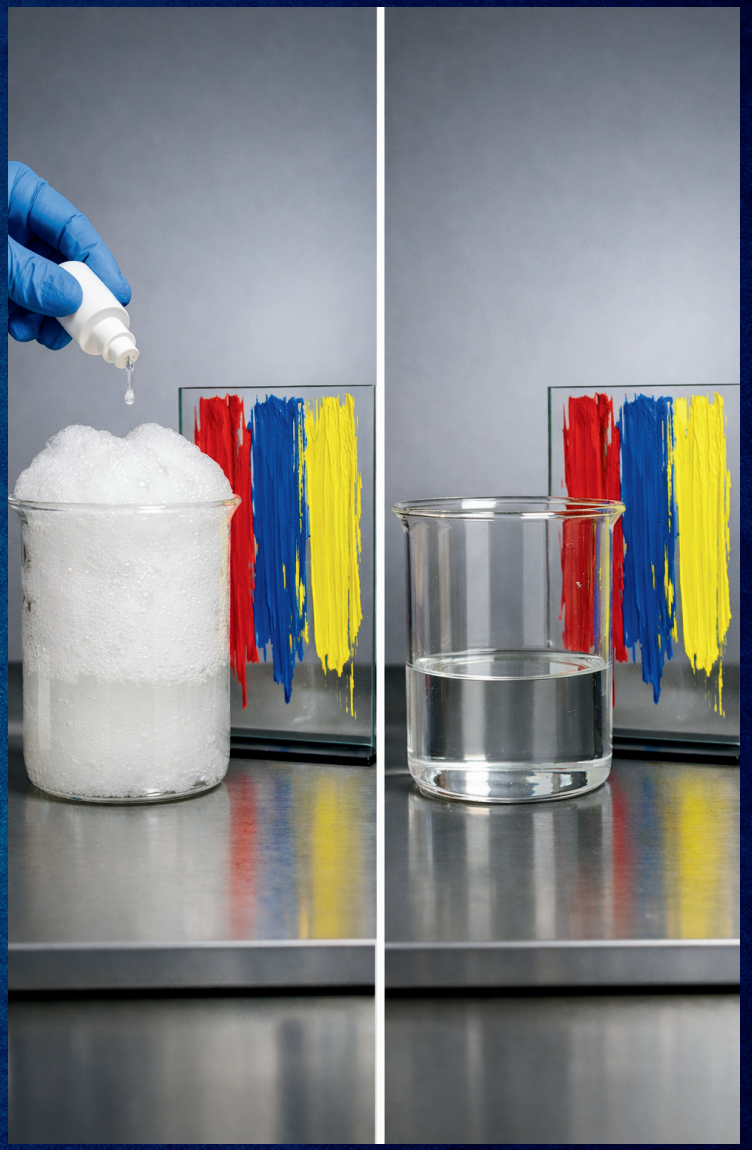
## PRODUCTION AND ADHESION / DEFOAMING AND SURFACE BONDING

### DF-60 - DEFOAMER

Active substance, %: 20±2
*Density at 20°C, g/cm³:* ~1.00
pH: 6.0 - 7.0

### AP-70 - ADHESION PROMOTER ADDITIVE

Active substance (amino-substituted silane), %: ≥98
*Density at 20°C, g/cm³:* 0.94 - 0.96



# ELASTIFYING AND HYDROPHOBIC ADDITIVES

## MODIFICATION OF CEMENT SYSTEMS AND HYDROPHOBIC TREATMENT / ELASTICITY AND WATER REPELLENCY

### EL-80 – ELASTIFYING PLASTICIZER

Moisture content, %: ≤1.0
Ash content, %: 12±2
Glass transition temperature (Tg), °C: ~0

### SH-90 – HYDROPHOBIC ADDITIVE

Dry substance, %: ≥40
*Density at 20°C, g/cm$^3$:* 0.95 - 0.98
pH: 4.5 - 5.5



# ABRASION-RESISTANT AND ACCELERATING ADDITIVES

## WEAR RESISTANCE AND SETTING SPEED / FOR FLOORS AND REPAIR COMPOUNDS



### AB-55 – ABRASION-RESISTANT ADDITIVE

Base: Crushed quartz, aluminum oxide
Mohs hardness: 7 - 9
Bulk density, g/l: 1200 - 1500

### AC-22 – SETTING ACCELERATOR

Moisture content, %: ≤3.0
Bulk density, g/l: 800 - 1000
Chloride (Cl-) content, %: ≤0.1

# COLORING PASTES

## MASS COLORATION / FOR CONSTRUCTION MIXES AND PAINTS

### CP-33 – COLORING PASTE

Pigment content, %: 40 - 60
Viscosity (B-Viscometer), mPa·s: 5000 - 15000
pH: 7.0 - 9.0



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