



Product Line

Laying Materials for Sports Flooring

Effective from 1/2025

WAKOL®
Anspruch verbindet

Wakol GmbH
Bottenbacher Straße 30
D-66954 Pirmasens
Tel. +49 6331 8001 131
Fax +49 6331 8001 890
www.wakol.com

Wakol GmbH
Industriestraße 5
A-6841 Mäder
Tel. +43 5523 64 700
Fax +43 5523 64 700 64
www.wakol.at

Wakol Adhesa AG/SA
Bionstraße 5
CH-9015 St. Gallen
Tel. +41 31 9210 755
Fax +41 31 9212 968
www.wakoladhesa.ch










Wakol Foreco srl
Via Kennedy 75
I-20010 Marcallo con Casone (MI)
Tel. +39 02 9761 939
Fax +39 02 9725 3021
www.wakolforeco.it

Loba-Wakol Polska Sp. z o.o.
ul. Sławęcińska 16, Macierzysz
PL-05-850 Ożarów Mazowiecki
Tel. +48 22 436 24 20
Fax +48 22 436 24 21
www.loba-wakol.pl

Loba-Wakol, LLC
2732 Hwy 74 West
Wadesboro, NC 28170, USA
Tel. +1 800 230 6456
Fax +1 704 527 5922
www.loba-wakol.com

Loba GmbH & Co. KG
Leonberger Straße 56-62
D-71254 Ditzingen
Tel. +49 7156 357 220
Fax +49 7156 357 221
www.loba.de

Lecol Chemie B.V.
Schutweg 6
NL-5145 NP Waalwijk
Tel. +31 416 566 540
Fax +31 416 566 531
www.lecol.nl

PREPARING	4	
LEVELLING	5	
BONDING ELASTIC FLOORING	7	
BONDING LINOLEUM / TEXTILE FLOORING	8	
BONDING PARQUET / CORK FLOORING	9	
UNDERLAYS / MATS / TILES	11	
TOOLS / ACCESSORIES	11	
SYMBOLS / EXPLANATIONS	13	
TABLES FOR INSTALLATION	16	

Please always observe the Technical Information before processing.

WAKOL PU 280 Polyurethane Primer



Area of application:

Ready-to-use 1-component polyurethane primer for priming absorbent and non-absorbent subfloors, and to reinforce abraded resp. sanded concrete edges. Also for capillary ascending humidity and higher residual humidity up to 6 CM % / 98 corresponding RH % in cement screeds without floor heating, on heated cement screeds up to max. 3 CM% / 85 corresponding RH % as well as on concrete up to max. 7,5% by weight / 98 corresponding RH %; applicable as moisture barrier on unheated cement screeds and concretes without prior moisture measurement.

Application method:

WAKOL Primer Roller or short haired velour roller

Consumption:

approx. 100-150 g/m² as primer, approx. 250-350 g/m² as moisture barrier

Drying time:

approx. 40-50 minutes

Storage information:

not below +5 °C, store in a cool place

Base:

polyurethane resin

Order information:

364003 | 35179 – 11.0 kg – pallet: 60 pieces
364004 | 35178 – 5.0 kg – pallet: 96 pieces



WAKOL D 3003 Dispersion Primer



Area of application:

Ready-to-use dispersion-based primer for priming cement screed, calcium sulphate screed, cast asphalt screed, magnesite screed (with exclusively mineral-based additives), concrete, gypsum fibre boards, water-resistant adhesive residues as well as Wakol levelling and filling compounds before subsequent levelling indoors.

Application method:

WAKOL Primer Roller or velour roller

Consumption:

approx. 90-140 g/m²

Drying time:

on cement screeds and concrete following visible drying; on calcium sulphate screed and gypsum fibre boards after at least 60 minutes; on cast asphalt screed and water-resistant adhesive residues after approx. 30-60 minutes

Storage information:

not below +5 °C, sensitive to frost

Base:

polymer dispersion

Blue Angel:

DE-UZ 113

Order information:

300305 | 36066 – 10.0 kg – pallet: 60 pieces



WAKOL D 3045 Special Primer



Area of application:

Ready-to-use dispersion-based primer to use as an adhesive bridge for Wakol levelling compounds on WAKOL PU 280 Polyurethane Primer, WAKOL PU 235 Polyurethane Primer or WAKOL MS 330 Silane Primer, cast asphalt and wooden material tiles, old waterproof adhesive residues as well as thoroughly cleaned ceramic tiles, natural stone flooring and terrazzo indoors.

Application method:

WAKOL Primer Roller or velour roller

Consumption:

approx. 100-150 g/m²

Drying time:

approx. 30-60 minutes, approx. 60-120 minutes on wooden material tiles

Storage information:

not below +5°C, sensitive to frost

Base:

acrylate dispersion

Order information:

304505 | 38507 – 12.0 kg – pallet: 40 pieces
304506 | 36070 – 6.0 kg – pallet: 80 pieces



WAKOL D 3060 Plastification Additive



Area of application:

Ready-to-use dispersion for upgrading WAKOL Z 645 Filling Compound, WAKOL Z 640 Filling Compound, WAKOL Z 630 Levelling Compound, WAKOL Z 625 Levelling Compound, WAKOL Z 615 Levelling Compound, dust-reduced, WAKOL Z 610 Levelling Compound, dust-reduced, WAKOL A 850 Filling Compound and WAKOL A 830 Levelling Compound to increase adhesion, flexibility and reduction of shrinkage tension for applications indoors.

Mixture:

approx. 4.5-8.0 l WAKOL D 3060 + 20/25 kg of Levelling Compound

Storage information:

not below +5 °C; sensitive to frost

Base:

polyacrylate dispersion

Order information:

306003 | 35890 – 10.0 kg – pallet: 60 pieces



WAKOL D 3004 Primer Concentrate



Area of application:

Dispersion-based primer concentrate for priming cement screed, calcium sulphate screed, cast asphalt screed, magnesite screed (with exclusively mineral-based additives), concrete, tiles, terrazzo, water resistant adhesive residues, wood planks, wooden material tiles, gypsum fibre boards as well as Wakol levelling and filling compounds before subsequent levelling indoors.

Application method:

WAKOL Primer Roller or velour roller

Consumption:

approx. 40-50 g/m² concentrate for diluted application, approx. 80-120 g/m² for undiluted application

Drying time:

on cement screeds and concrete following visible drying; on cast asphalt, tiles, terrazzo and water resistant adhesive residues 30-60 minutes; on calcium sulphate screed, magnesite screed, wood planks, wooden material tiles and gypsum fibre boards 60 minutes

Storage information:

not below +5 °C, sensitive to frost

Base:

polymer dispersion

Order information:

300405 | 36067 – 10.0 kg – pallet: 60 pieces
300407 | 36069 – 5.0 kg – pallet: 96 pieces
300409 | 36068 – 1.0 kg – pallet: 480 pieces; 40 boxes with 12 pieces



WAKOL A 830 Levelling Compound



Area of application:

Levelling Compound based on calcium sulphate for treating unevenness in layer thicknesses of 1 to 20 mm unextended, extended of 10 to 30 mm under textile flooring and elastic flooring indoors; as of 2 mm layer thickness also underneath parquet. Can be processed in combination with WAKOL D 3060 Plastification Additive. Especially suitable on calcium sulphate bonded subfloors, dry extension elements, wooden material tiles and on cast asphalt concrete. Can be applied with a raket. Can be pumped.

Mixture:

approx. 6,0 l water + 25 kg A 830

Consumption:

approx. 1.5 kg/m²/mm application thickness

Setting time:

suitable for walking after 2 h; ready for laying up to 3 mm after 24h; 3-10 mm every mm 24 h drying time, ≥ 11 mm CM measurement (residual humidity < 0.5 CM%)

Pot life:

approx. 25 min.

unextended:

1-20 mm

extended:

10-30 mm

Storage information:

store in a cool and dry place

Base:

calcium sulfate

Blue Angel:

DE-UZ 113

CE marking:

EN 13813:2002 CA-C30-F7

Order information:

507703 | 35041 – 25.0 kg – pallet: 42 pieces



WAKOL Z 625 Levelling Compound



Area of application:

Cement-based levelling compound for treating unevenness in layer thickness of 1 to 20 mm unextended, extended from 10 to 30 mm under textile flooring and elastic flooring indoors. For higher loads and as of 2 mm layer thickness suitable underneath parquets. Suitable for heavy loads of 3 mm layer thickness. Can be processed in combination with WAKOL D 3060 Plastification Additive. Can be applied with a rakel. Can be pumped. Suitable for direct use in conjunction with surface treatment. Low in chromate according to REACH.

Mixture:

approx. 6.0-6.25 l water + 25 kg Z 625

Consumption:

approx. 1.5 kg/m²/mm application thickness

Setting time:

suitable for walking after approx. 2 h; ready for laying up to 5 mm after 6 h, up to 10 mm after 12 h, up to 30 mm after 24 h

Pot life:

approx. 20 min.

unextended:

1-20 mm

extended:

10-30 mm

Storage information:

store in a cool and dry place

Base:

special cement

CE marking:

EN 13813:2002 CT-C35-F7

Order information:

506814 | 44986 – 25.0 kg – pallet: 40 pieces

WAKOL Z 590 Light Screed



Area of application:

Low-stress, cementitious lightweight screed for use in layer thicknesses of 20-300 mm in a system with WAKOL AR 150 Reinforcement Fabric and approved Wakol levelling compounds for levelling and filling substrates, even in structurally problematic areas with a bond (from 20 mm) and on a separating layer (from 30 mm) in internal areas. Can be pumped. Low in chromate according to REACH.

Mixture:

approx. 4.5-5.0 l water + 16 kg / 50 l Z 590

Consumption:

approx. 0.32 kg/m²/mm application thickness

Setting time:

suitable for walking after 12 h, ready for covering and can be levelled over after approx. 24 h

Pot life:

approx. 60 min.

unextended:

20-300 mm

extended:

-

Storage information:

store in a cool and dry place

Base:

polystyrene foam granules with cementitious binder

Order information:

505604 – 16.0 kg | 50.0 l – pallet: 24 pieces

BONDING ELASTIC FLOORING

WAKOL Z 640 Filling Compound



Area of application:

Fine, stable, cement-based levelling compound for treating unevenness with layer thickness up to 20 mm unextended, extended from 10 to 50 mm, for smoothing steps and door joints as well as for repairing concrete subfloor damage indoors. Can be processed in combination with WAKOL D 3060 Plastification Additive. Flexible. Very good moldability. Low in chromate according to REACH.

Mixture:

approx. 6.75-7.5 l water + 25 kg Z 640

Consumption:

approx. 1.4 kg/m²/mm application thickness

Setting time:

suitable for walking and coverable after approx. 30 min., ready for laying after approx. 3 h

Pot life:

approx. 15 min.

unextended:

up to 20 mm

extended:

10 to 50 mm

Storage information:

store in a cool and dry place

Base:

special cement

CE marking:

EN 13813:2002 CT-C35-F6

Order information:

506512 | 32148 – 25.0 kg – pallet: 40 pieces

WAKOL MS 552 PVC and Rubber Adhesive



Area of application:

Structure viscous 1-component MS adhesive for laying LVT flooring, homogeneous and heterogeneous PVC flooring, CV flooring, rubber flooring, needle fleece flooring, linoleum flooring, PVC cork flooring according to DIN EN 655, entrance mats, artificial lawn and Wakol Sealing systems on absorbent and non-absorbent wall and floor areas indoors. Waterproof. WAKOL MS 552 corresponds to DIN EN ISO 22636.

Application method:

trowel notch size according to TKB A1, A2, B1 or B2

Consumption:

approx. 300-580 g/m²

Airing time:

approx. 5-30 minutes

Open time:

approx. 10-35 minutes

Storage information:

not sensitive to frost

Base:

MS polymer

Order information:

363905 | 35276 – 7.5 kg – pallet: 72 pieces

WAKOL Z 645 Filling Compound, dust-reduced



Area of application:

Dust-reduced, stable, cement-based levelling compound for treating unevenness in layer thicknesses of 1 to 10 mm unextended, extended from 10 to 50 mm for rough smoothing of uneven areas, smoothing steps and door joints and for repairing concrete subfloor damage indoors. Can be processed in combination with WAKOL D 3060 Plastification Additive. Flexible. Very good moldability. Low in chromate according to REACH.

Mixture:

approx. 6.75-8.0 l water + 25 kg Z 645

Consumption:

approx. 1.3 kg/m²/mm application thickness

Setting time:

suitable for walking after approx. 30 min.; ready for laying after approx. 60 min.

Pot life:

approx. 15 minutes

unextended:

1-10 mm

extended:

10-50 mm

Storage information:

store in a cool and dry place

Base:

special cement

Blue Angel:

DE-UZ 113

CE marking:

EN 13813: CT-C30-F7

Order information:

506722 | 41371 – 25.0 kg – pallet: 40 pieces

WAKOL D 3318 MultiFlex, fibre-containing



Area of application:

Fibre-reinforced, dispersion adhesive for laying homogeneous and heterogeneous PVC flooring in strips and tiles, LVT flooring adhesive in planks and tiles, PVC-free floor coverings with PU or PO base or with fleece backing in strips, boards and tiles, CV Flooring, linoleum flooring and rubber flooring up to a thickness of 4 mm on properly prepared absorbent subfloors indoors. WAKOL D 3318 corresponds to DIN EN ISO 22636.

Application method:

trowel notch size according to TKB A2 or B1

Consumption:

approx. 290-350 g/m²

Airing time:

approx. 5-15 minutes

Open time:

approx. 30 minutes

Storage information:

not below +5 °C, sensitive to frost

Base:

acrylate dispersion

Blue Angel:

DE-UZ 113

Order information:

331803 | 35855 – 13.0 kg – pallet: 44 peices
331805 | 35854 – 6.0 kg – pallet: 90 pieces

WAKOL D 3320 PVC Adhesive



Area of application:

Dispersion adhesive for laying LVT flooring, homogeneous caoutchouc flooring up to 2.5 mm layer thickness, heterogeneous caoutchouc flooring up to 4 mm layer thickness, textile flooring with PVC, PUR or latex fittings on absorbent subfloors, homogeneous PVC flooring in sheets and tiles and CV flooring on all absorbent and non-absorbent subfloors indoors. WAKOL D 3320 corresponds to DIN EN ISO 22636.

Application method:

trowel notch size according to TKB A1, A2 or B1

Consumption:

approx. 250-450 g/m²

Airing time:

approx. 5-20 minutes on absorbent subfloors, approx. 30-40 minutes on non-absorbent subfloors

Open time:

approx. 30-50 minutes

Storage information:

not below +5 °C, sensitive to frost

Base:

acrylate dispersion

Order information:

332003 | 25253 – 12.0 kg – pallet: 44 pieces



WAKOL PU 272 Artificial Turf Adhesive



Area of application:

2-component, green coloured PU adhesive for laying artificial turf on WAKOL AS 130 Seaming Tape, on absorbent and non-absorbent subfloors as well as moist, but superficially dried, drainable subfloors outdoors.

Application method:

trowel notch size according to TKB B3 or B11

Consumption:

approx. 850-1200 g/m²

Airing time:

none

Open time:

approx. 90 minutes

Storage information:

not below +5 °C, sensitive to frost

Base:

polyurethane resin

Order information:

368812 | 41343 – 12.0 kg A-comp. – pallet: 44 pieces
369412 | 41344 – 1.12 kg B-Comp. – pallet: 440 pieces;
40 boxes with 11 pieces



WAKOL D 3318 MultiFlex, fibre-containing



Area of application:

Fibre-reinforced, dispersion adhesive for laying homogeneous and heterogeneous PVC flooring in strips and tiles, LVT flooring adhesive in planks and tiles, PVC-free floor coverings with PU or PO base or with fleece backing in strips, boards and tiles, CV Flooring, linoleum flooring and rubber flooring up to a thickness of 4 mm on properly prepared absorbent subfloors indoors. WAKOL D 3318 corresponds to DIN EN ISO 22636.

Application method:

trowel notch size according to TKB A2 or B1

Consumption:

approx. 290-350 g/m²

Airing time:

approx. 5-15 minutes

Open time:

approx. 30 minutes

Storage information:

not below +5 °C, sensitive to frost

Base:

acrylate dispersion

Blue Angel:

DE-UZ 113

Order information:

331803 | 35855 – 13.0 kg – pallet: 44 pieces
331805 | 35854 – 6.0 kg – pallet: 90 pieces



WAKOL MS 290 Parquet Adhesive, shear-resistant



Area of application:

1-component MS parquet adhesive for the shear-resistant laying of mosaic, on-edge lamella, 10 mm solid wood lam parquet, strip, multi-layer parquet, solid planks, wood block RE/WE as well as flat-lying cork flooring and cork flooring with HDF/MDF middle layer with tongue and groove resp. click-connection on absorbent and non-absorbent subfloors indoors. WAKOL MS 290 is free from plasticizing substances. WAKOL MS 290 corresponds to DIN EN ISO 17178.

Application method:

trowel notch size according to TKB B3, B11, B13, B15 (parquet), A2 (cork)

Consumption:

approx. 400-450 g/m² cork approx. 800-1500 g/m² parquet

Airing time:

none

Open time:

approx. 40 minutes

Storage information:

store in a cool and dry place, not sensitive to frost

Base:

MS polymer

Order information:

363707 | 35290 – 18.0 kg sealed – pallet: 44 pieces



WAKOL D 3311 Linoleum and Carpet Adhesive



Area of application:

Dispersion adhesive for laying linoleum flooring, korkment flooring, tufting flooring with matted backing, synthetic second backing or jute backing, woven flooring and needle fleece flooring on absorbent subfloors indoors. WAKOL D 3311 corresponds to DIN EN ISO 22636.

Application method:

trowel notch size according to TKB B1 or B2

Consumption:

approx. 325-450 g/m²

Airing time:

approx. 0-10 minutes

Open time:

approx. 15 minutes

Storage information:

not below +5 °C; sensitive to frost

Base:

acrylate dispersion

Blue Angel:

DE-UZ 113

Order information:

331102 | 35859 – 14.0 kg – pallet: 44 pieces



WAKOL MS 262 Parquet Adhesive, firm-elastic



Area of application:

Firm-elastic, structure viscous 1-component MS parquet adhesive for laying mosaic, on-edge lamella (min. 16 mm thick, max. 200 mm long), strip, multi-layer parquet, solid wood planks (up to 18 cm in width, oak up to 20 cm wide) as well as cork flooring with HDF/MDF middle layer with tongue and groove resp. click-connection on absorbent and non-absorbent wall and floor areas indoors. WAKOL MS 262 corresponds to DIN EN ISO 17178.

Application method:

trowel notch size according to TKB B3, B11, B13 or B15, tubular bag gun, e.g. WAKOL Applicator 90 or 50 and special application nozzle or WAKOL Replaceable Nozzles

Consumption:

approx. 450-500 ml/m² combining WAKOL TS 160/TS 170;
approx. 600-800 ml/m² strip application, approx. 500-950 ml/m² with WAKOL Parquet Notched Trowel; approx. 425-850 ml/m² WAKOL Replaceable Nozzles

Airing time:

none

Open time:

approx. 40 minutes

Storage information:

store in a cool and dry place; not sensitive to frost

Base:

MS-Polymer

Order information:

363207 | 30111 – 600 ml (Ø49 mm) – pallet: 864 pieces;
72 boxes with 12 pieces
363206 | 30112 – 1.800 ml (Ø62 mm) – pallet: 216 pieces;
36 boxes with 6 pieces
363205 | 32219 – 4.200 ml (Ø88 mm) – pallet: 108 pieces;
54 boxes with 2 pieces
363210 | 35296 – 18.0 kg sealed – pallet: 44 pieces



WAKOL MS 260 Parquet Adhesive, firm-elastic



Area of application:

Firm-elastic 1-component MS parquet adhesive for laying mosaic, on-edge lamella (min. 16 mm in width, max. 200 mm in length), strip, 10 mm solid wood lam parquet, multi-layer parquet, solid planks (up to max. 18 cm in width, type of wood oak up to max. 20 cm in width), wood block RE/WE as well as flatlying cork flooring and cork flooring with HDF/ MDF middle layer with tongue and groove resp. click-connection on absorbent and non-absorbent subfloors indoors. WAKOL MS 260 corresponds to DIN EN ISO 17178.

Application method:

trowel notch size according to TKB B3, B11, B13 or B15 (parquet), A2 (cork), WAKOL Speciality Trowel 5, WAKOL Speciality Trowel Blade 5

Consumption:

approx. 700-1500 g/m² parquet approx. 400-450 g/m² cork approx. 1700-1800 g/m² with WAKOL Speciality Trowel 5 or WAKOL Speciality Trowel Blade 5

Airing time:

none

Open time:

approx. 40 minutes

Storage information:

store in a cool and dry place, not sensitive to frost

Base:

MS polymer

Order information:

362007 | 41338 – 18.0 kg sealed – pallet: 44 pieces



WAKOL PU 210 Parquet Adhesive



Area of application:

Shear-resistant, 2-component PU parquet adhesive for laying of mosaic, on-edge lamella, strip, multi-layer and 10 mm solid wood lam parquet, solid wood planks, wood block RE/WE as well as for approved stratified flooring on absorbent and non-absorbent subfloors. WAKOL PU 210 corresponds to DIN EN ISO 17178.

Application method:

trowel notch size according to TKB B3, B11, B13 or B15

Consumption:

approx. 700-1500 g/m²

Airing time:

none

Open time:

approx. 60-90 minutes

Pot life:

approx. 60-70 minutes

Storage information:

not below +5 °C, sensitive to frost

Base:

polyurethane resin

Order information:

368332 + 368432 | 41255 – combination pack 6.0 kg A-comp. + 0.9 kg B-comp. – pallet: 60 pieces
368330 | 42295 – 8.0 kg A-comp. – pallet: 60 pieces
368430 | 42296 – 1.2 kg B-comp. – pallet: 60 pieces; 5 boxes with 12 pieces



WAKOL D 3540 Cork Contact Adhesive



Area of application:

Latex adhesive for laying cork tiles according to DIN EN 12104 with non-treated or treated surface on absorbent and non-absorbent subfloors. Also suitable for cork wall coverings, textile flooring, linoleum, caoutchouc flooring and deflectors. WAKOL D 3540 corresponds to DIN EN ISO 22636.

Application method:

WAKOL Primer Roller or velour roller on cork wall coverings, for carpet flooring with brush or trowel notch size according to TKB A1, A2 or A3

Consumption:

minimum 250 g/m² for laying cork, otherwise 150-650 g/m²

Airing time:

approx. 30-45 minutes on absorbent subfloors, approx. 60-90 minutes on non-absorbent subfloors and on the back of the floor covering

Open time:

approx. 120-180 minutes, with pre-coating approx. 60-90 minutes

Storage information:

not below +5 °C, sensitive to frost

Base:

latex/acrylate dispersion

Order information:

354004 | 46742 – 11.0 kg – pallet: 44 pieces
354008 | 30100 – 5.0 kg – pallet: 80 pieces
354009 | 38506 – 2.5 kg – pallet: 120 pieces
354010 | 35827 – 0.8 kg – pallet: 384 pieces; 32 boxes with 12 pieces



WAKOL AS 130 Seaming Tape



Area of application:

Polyester fleece tape for bonding artificial grass sheets with each other in joint sections indoors and outdoors.

Laying:

in the system with WAKOL PU 272

Consumption:

corresponding to the joint length

Storage information:

not sensitive to frost

Base:

polyester fleece

Order information:

595612 | 41374 – Roll 100 m, 300 mm wide – pallet: 80 pieces; 16 boxes with 5 pieces



WAKOL AR 150 Reinforcement Fabric



Area of application:

Alkali-resistant fibreglass fabric for reinforcing levelling compounds on inhomogeneous subfloors, wood planks and wood product tile subfloors as well as in sports facility construction in systems with WAKOL D 3060 Plastification Additive and Wakol levelling compound.

Laying:

overlapping sheets, fixed on the subfloor

Consumption:

corresponding to the room size

Storage information:

store roll upright, not sensitive to frost

Base:

fibre glass fabric

Order information:

595502 | 35032 – Roll 50 m, 1 m wide – pallet: 30 pieces



WAKOL RS 5950 Screed Edging Strips, 100 mm



Area of application:

Permanently elastic screed edging strips made of polyethylene with adhesive strips for screed work, WAKOL Z 560 Rapid Screed, WAKOL Z 590 Light Screed and screeds made of WAKOL EP 219 Screed Binder with WAKOL S 25 Elongating Sand indoors.

Storage information:

not sensitive to frost

Base:

polyethylene

Order information:

595012 | 45799 – Roll 15 m, 100 mm wide, 8 mm thick – pallet: 60 pieces; 12 boxes with 5 pieces



WAKOL RS 5945 Edging Strips with Base, 50 mm



Area of application:
Permanently elastic edge stripes with self-adhesive pedestal to be used if thicker levelling layers are required and before installation of WAKOL Z 515 Thin Screed.

Storage information:
not sensitive to frost

Base:
polyethylene

Order information:
594503 | 41706 – Roll 25 m, 50 mm wide, 5 mm thick –
pallet: 48 pieces; 12 boxes with 4 pieces



WAKOL RS 5935 Edging Strips, 50 mm



Area of application:
Self-adhesive, permanently elastic edge strips to be used if thicker levelling layers are required and before installation of WAKOL Z 515 Thin Screed.

Storage information:
not sensitive to frost

Base:
polyethylene

Order information:
593502 | 34979 – Roll 25 m, 50 mm wide, 5 mm thick –
pallet: 120 pieces; 12 boxes with 10 pieces



WAKOL RS 5925 Edging Strips, 25 mm



Area of application:
Self-adhesive, permanently elastic edging strips made of polyethylene for filling- and levelling work in medium layer thicknesses, ensuring edge clearance before decoupling work and ventilated timber substructures indoors.

Storage information:
not sensitive to frost

Base:
polyethylene

Order information:
592502 | 45797 – Roll 25 m, 25 mm wide, 5 mm thick –
pallet: 240 pieces; 12 boxes with 20 pieces



Symbols

The symbols describe the properties and applicability of the individual products:



Our product line especially suitable for the installation of sports flooring. Look out for this symbol!

Very low in emissions according to EMICODE EC1 PLUS	Very low in emissions according to EMICODE EC1	Emissions class i.a.w. Finnish law	Laying materials with low emissions according to DE-UZ 113

Emissions class i.a.w. French law	Classification systems in accordance with GISBAU	Solvent free according to TRGS 610	CE marking Council Directive 305/2011 EU

Emissions-tested building product in accordance with DIBt guidelines	Polish marking according to EN ISO 17178	Wheelmark Certification Council Directive 2014/90/EU	CONNECTED SYSTEMS Guarantee with Loba paints and/or oils

Suitable for underfloor heating	Suitable for wheelchairs	Conductive product

EMICODE

EMICODE is a trademark-protected seal for product classification for modern, solvent-free and low-emission laying materials and construction products. These include, amongst others:

- Liquid products (coatings, primers, sealer- or barrier primers ready-to-use fluid fixations and adhesives, fluid sealings)
- Powdery products (cement and calcium-sulphate based levelling compounds, quick cement, screed, cement and calcium-sulphate based screed binders tile adhesive and joint mortar, mineral barrier coatings, cement and calcium-sulphate based screeds and screed binders)
- Pasty products and products with a high organic binder content (1-C or 2-C pasty flooring-, parquet and ready-to-use tile-adhesives, assembly adhesives, pasty fixations, dispersion- and reactive levelling compounds)
- Products which do not require a chemical reaction or physical drying (Underlay systems, e.g. insulating underlays, underlays with an adhesive coating, adhesive tapes, chipboards, decoupling-/insulating sheets)
- Sealing tapes and collars for small surfaces (e.g. for window, facade, in wet areas); Sealing membranes for large surfaces (e.g. for walls and floor in wet areas), vapour retarder under the roof

The inspection symbol for environmental and interior hygiene has been awarded since 1997 by the GEV (German Registered Association for the Control of Emissions in Products for Flooring Installation) to products of manufacturers who subject themselves to strict quality controls and regular inspections. With regard to consumer and processor protection, EMICODE provides an orientation aid for the assessment and selection of chemical construction products. The classification system is aimed at planners, consumers and tradesmen, is company-independent and competitively neutral.

The EMICODE breaks down into the following 3 emission classes, based on the strictly defined GEV test method (emissions test chamber) and the GEV classification criteria:

EMICODE EC1 PLUS	very low emission level PLUS
EMICODE EC1	very low emission level
EMICODE EC2	low emission level

Especially important is the best emission class, EMICODE EC1 PLUS. The TVOC thresholds for this class after 28 days are defined as follows:

EMICODE EC1 PLUS for primers, for levelling compounds and for adhesives as well as subfloors $\leq 60 \mu\text{g}/\text{m}^3$.

For details, see: www.emicode.com

Many Wakol line products correspond to the best emission class, EMICODE EC1. They are subjected to especially strict controls according to DIN EN ISO 9001:2015, from the raw material stage to manufacture, with respect to their emission characteristics as well as their superb, technical functionality.

Status 12/19

Blue Angel

The Blue Angel is awarded for different product categories in accordance with respectively adjusted inspection criteria. Laying materials are inspected in accordance with DE-UZ 113. After an external inspection of the emission characteristics and fulfilment of other conditions regarding content and container or datasheet information, the Blue Angel licence is awarded

by the German Institute for Quality Assurance and Marking (RAL). Marking with the Blue Angel is voluntary. For laying materials, in accordance with DE-UZ 113 there are Blue Angel criteria for products with low VOC emissions to interior air and thus with little effect on human health. For private end consumers, it is the most widely known eco-label. The requirements of the EMICODE EC1 and of the Blue Angel are comparable. EMICODE EC1 PLUS specifies the highest requirements with regard to low-emission laying materials, www.blauer-engel.de/en/products/construction/bodenbelagsklebstoffe.

M1 Classification: Emission classification of building materials

M1 is a protected seal for product classification of low-emission building materials.

The voluntary Finnish test mark for environmental and indoor hygiene has been awarded since 1996 by the Building Information Foundation RTS to products of manufacturers who undergo strict quality controls as well as regular inspections. The aim of the classification is to promote the development and use of low-emission building materials.

The classification sets emission and odour requirements for building materials, furnishings and furniture in office and residential buildings with regard to indoor air quality. Emission and odour tests in a neutral third-party laboratory provide reliable information on the emissivity of building materials.

In the M1 classification, limit values are set for the emission and odour from the product into the indoor air. Levelling compounds must be casein-free.

Status 1/21

French VOC regulations

The French regulations on VOC emissions classes stipulate that from 1 January 2012 all construction products, flooring and wall surfaces, paints and lacquers used indoors must be marked with their emissions class. Categorisation of the emissions classes is to be on the basis of specified limit values and is the responsibility of the manufacturer. The marking on the product states the highest (worst) of the emissions classes determined for the VOCs and for the TVOC. Equivalent data on the emissions, for example from inspections for AgBB, EMICODE, Blue Angel etc. will be accepted. For details, see www.wakol.com.

TRGS 610/Regulations on hazardous substances

The German regulations on hazardous substances (GefStoffV) comprehensively regulate the categorisation, marking and handling of all kinds of hazardous substances (www.baua.de/de/Themen-von-A-Z/Gefahrstoffe/Rechtstexte/Gefahrstoffverordnung.html). The Technical Regulations on Hazardous Substances (TRGS) define the requirements of the regulations on hazardous substances for trades. Compliance with the TRGS means the requirements of the regulations on hazardous substances are fulfilled.

The TRGS 610 Alternative materials and alternative procedures for high solvent-based primers and adhesives for floorings have been updated. In accordance with the TRGS 610, solvent-free dispersion adhesives, SMP/MS adhesives and solvent-free PU adhesives are recommended as possible alternatives.

The full text of the TRGS 610 can be found at [wakol.com](http://www.wakol.com)

GISCODE

GISCODE is a classification system agreed on in 1993 by manufacturers and German Builders' Trade Associations (GISBAU) for distinguishing product groups with certain common hazardous features. The system is exclusively geared to occupational safety and in large parts refers to the 4 product categories of the TRGS 610.

D1	solvent-free dispersion-based floor laying substances
GG60	basic cleaner, irritant (including eye damage), solvent-based with 2-butoxyethanol
RS10	Laying materials containing methoxysilane
RS20	Laying materials, primers / coatings containing methoxysilane
RU1	solvent-free polyurethane floor laying substances
S1	high solvent level floor laying substances, non-aromatic and methanol-free
CP1	Calcium sulfate based levelling compounds
CP3	Calcium sulphate-based levelling compound, calcium oxide content bigger than 3 %
ZP1	Cement-based products, low in chromate

The classification according to GISCODE, e.g. on container labels, in product information and on safety data sheets, is carried out voluntarily in particular by member companies of the adhesive industrial association „Klebstoffe e.V.“ For all GISCODE product groups the corresponding product information and sample operational instructions are available from the construction professional associations. See www.wingisonline.de

Status 1/25

CE mark

The CE mark is a producer label, stating that the product complies with a harmonised European norm. For levelling compounds this is conformity with DIN EN 13813 „Screed material and floor screeds“. Using the CE mark a high level of transparency concerning important product properties. Each CE labelled product must meet all labelled criteria. The values therefore are always minimum values. According to the European Construction Products Regulation (EU 305/2011) a Declaration of performance has to be provided by the manufacturer for each CE labelled product. The declaration of performance can be found at www.wakol.com.

Mark of conformity

The mark of conformity (Ü-Zeichen) designates laying materials that fulfil the relevant technical specifications of the building authorities. In Austria known as the „ÜA-Einbauzeichen“. General building authority approvals are granted for construction products and methods in the area of application as defined by the state building authorities. They are reliable proof of the usability of construction products. The German Institute for Building Technology (DIBt) is the German licensing authority for general building authority approvals for construction products.

For reasons of health protection, since 01.01.2011 adhesives for parquet and wooden flooring require general building authority approval for their use in habitable rooms (cf. Building Regulation List B Part 1, ser. no. 1.18.3 and Appendix 1/18.3). On 01.01.2012 approval for adhesives for floorings and underlays became a mandatory requirement.

Wheelmark

The Wheelmark is a mark of conformity valid throughout the EU, confirming suitability of the respective product for marine equipment in accordance with Council of the European Community Directive 2014/90/EU on marine equipment (EC Marine Equipment Directive – MED). To obtain this mark of conformity, a defined fire test must be passed. In addition to this EC type examination, monitoring measures carried out by an accredited body are required, e.g. a quality management system as per Module D. The support organisation for the Wheelmark is the IMO, International Maritime Organisation, an affiliate organisation of the UNO. The declaration of conformity for the corresponding products can be found at www.wakol.com.

Environmental Product Declaration, EPD

An EPD is a data set which attempts to compile all environmentally relevant information/data like resource consumption and emissions to a product over the complete product life cycle. These are approx. 100 individual data. Starting point for making an EPD is the so called ecological balance sheet, thus a systematic analysis on the environmental impact of products during their complete life cycle. This is why it is also called life cycle analysis. The basic procedure for making such product declarations is partly regulated and expressed by standardized norms, e.g. EN 15804.

In order to compile these extensive data, assumptions, average values, estimations are made according to the product division.

The ISO-Type-III-Declaration according to DIN EN ISO 14025 has been created in cooperation with the Institute for Construction and Environment (Institut für Bauen und Umwelt e.V.). With these quantitative statements about the environmental performance of building products, EPDs are also used for certification of buildings, keyword “sustainable building“. In Germany, buildings are certified for example by the DGNB (Deutsche Gesellschaft für nachhaltiges Bauen = German sustainable building council). Depending on the fulfillment of the criteria, the DGNB awards certificates in gold, silver or bronze.

Quality Seal for Sustainable Buildings (QNG)

The German Quality Seal for Sustainable Buildings (QNG) is a state seal of quality for buildings, with the Federal Ministry of Housing, Urban Development and Building (BMWSB) as the seal issuer and accredited certification bodies as awarding bodies.

Wakol offers a comprehensive range of laying materials that fulfil the criteria for the requirements of the Quality Seal for Sustainable Buildings (QNG). The requirements are described in the QNG requirements catalogue Appendix document 313, version 1.3, Avoidance of harmful substances in building materials.

The product list and the declaration of conformity can be found at [wakol.com](http://www.wakol.com)



For more information:

Subfloor preparation for sports facilities

Subfloors	Preparing	Prepare	Primer Dilution	Drying time	Intermediate levelling	Drying time	Prepare	Primer	Drying time	Levelling
Flooring area										
Wooden boards		Sand (if necessary) and vacuum			Smooth joints and screw holes or, if necessary, fully levelled with Z 625 mixed with D 3060	approx. 2 hours	Sand and vacuum			
Cement screeds (CT)		Sand and vacuum RS 5935 or RS 5945	D 3003 or D 3004 1:2 with water	when suitable for walking						
Concrete (rough)		Grind and vacuum RS 5935 or RS 5945	D 3003 or D 3004 1:2 with water	when suitable for walking						Z 625 mixed with D 3060
Calcium sulfate screeds (CA)		Sand and vacuum RS 5935 or RS 5945	D 3003 or D 3004 1:2 with water	approx. 1 hour						
Mastic asphalt screeds (IC 10, IC 15)		Grind and vacuum RS 5935 or RS 5945	D 3004 1:1 with water or D 3045	approx. 30-60 min.						
Rolled asphalt		Grind and vacuum								Z 625
Cement screeds (CT) with to high residual humidity up to 6 CM%/ 98 % r.H. without underfloor heating, up to 3 CM%/ 85 % KRL with underfloor heating, concrete with to high residual humidity up to 7.5%/ 98 % KRL by weight		Sand and vacuum RS 5925, RS 5935 or RS 5945	PU 280 2 layers	approx. 1 hour per layer				approx. 1 hour	approx. 1 hour	Z 625
Wall area										
Wooden boards		Sand (if necessary) and vacuum			Smooth joints and screw holes or, if necessary, fully levelled with A 830 mixed with D 3060	approx. 2 hours	Sand and vacuum			
Gypsum boards, smooth joints and screw holes covered with wall levelling compound, sanded			D 3003 or D 3004 1:2 with water	approx. 1 hour						
Concrete, plasters, sufficiently dry and levelled			D 3003 or D 3004 1:2 with water	approx. 1 hour						
Height compensation										
Installation wires to be levelled, levelling/filling of wooden floorboards and wooden beam compartments, levelling of areas with limited static load-bearing capacity (according to the planner's specifications)		Set up RS 5950 Screed Edging Strips, lay out suitable foil for installation on separating layer, apply primer or bonding slurry according to substrate for installation in conjunction, Z 590 Light Screed		24 hours	AR 150 levelled with Z 640/Z645 mixed with D 3060	approx. 1 hour				Z 625

Direct bonding of sports flooring on prepared, standardised or renovated subfloors*

Subfloors	Floor areas				Wall areas	
	Wooden boards	Newly levelled subfloors with Wakol levelling compounds	Subfloors pre-treated with plastified compound	Load-bearing subfloors, loose laying, bonding in the seam area on top of AS 130 Seaming Tape	Gypsum boards, primed with Wakol primers	Concrete, plasters
Textile flooring with fleece or TR-backing	D 3311	D 3311	D 3311		D 3540	D 3540
Linoleum	D 3311	D 3311	D 3311		D 3540	D 3540
PVC flooring, homogeneous	D 3318 D 3320 MS 552	D 3318 D 3320 MS 552	D 3318 D 3320 MS 552		D 3320 MS 552*2	D 3320 MS 552*2
PVC flooring, heterogeneous	D 3307 D 3320 D 3360	D 3307 D 3320 D 3360	D 3307 D 3320 D 3360		D 3320 D 3360	
PVC-free flooring (PU or PO base or with fleece backed)	D 3318	D 3318	D 3318		D 3318*2	D 3318*2
LVT flooring with smooth, sanded backing	D 3318 D 3320 MS 552	D 3318 D 3320 MS 552	D 3318 D 3320 MS 552		D 3540 D 3320*2 MS 552*2	D 3540 D 3320*2 MS 552*2
Rubber granulates	D 3318 D 3320 MS 552	D 3318 D 3320 MS 552	D 3318 D 3320 MS 552		D 3540 D 3320 MS 552*2	D 3540 D 3320 MS 552*2
Deflector walls					D 3540 D 3320 MS 552*2	D 3540 D 3320 MS 552*2
Artificial turf	MS 552 PU 272	MS 552 PU 272	MS 552 PU 272	MS 552 PU 272	MS 552*2	MS 552*2
Parquet (observe adhesive approvals)	MS 290 MS 260 MS 262 PU 210	MS 290 MS 260 MS 262 PU 210	PU 210*1		MS 262	MS 262

* Observe the preparation according to the recommendation table 'Subfloor preparation for sports facilities'.

The applicable standards and fact sheets must be heeded with all laying operations as well as manufacturer's instructions.

Please note:

*1 Only multi-layer parquet

*2 Fastening of the membrane required until the adhesive has set

All mentioned products are very low in emissions, except PU 272



Wakol GmbH
Bottenbacher Str. 30
D-66954 Pirmasens
Tel. +49 6331 8001 131
Fax +49 6331 8001 890
www.wakol.com

D 99 10500 01/25 300204500 www.mono-d.de

WAKOL®
Anspruch verbindet