

# Sika Pocket Guide

BUILDING TRUST



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# WATERPROOFING

## BASEMENT

- Integral Waterproofing
- Joint Waterproofing
- Dinding basement
- Injeksi kebocoran

## GWT, KOLAM IKAN (Non Toxic)

- Non Ekspose (Tutup keramik)
- Ekspose

## AREA BASAH

- Toilet, Mushola
- Kolam renang
- Detailing

## STP / WWTP (Chemical Resistant)

- Non Ekspose (Tutup keramik)
- Ekspose

## ATAP

- Ekspose
- Non Ekspose
- Roof Garden

## DINDING LUAR

## BASEMENT

### INTEGRAL WATERPROOFING

- Struktur basement  $\leq$  -8m
  - └ **Sika® Viscocrete® - 3115 N**  
**(High Superplasticizer)**
- Struktur basement  $>$  -8m
  - └ **Sika® WT® - 110 Mid**  
**(HYDROPHOBIC PORE BLOCKER)**
- Crystalline - Kristalisasi
  - └ **Davco® K11 CWA**

### JOINT WATERPROOFING

- PVC Waterstop Construction & Movement Joint
  - └ **Sika® PVC Waterbar**
- Swellable Waterstop
  - └ **Sikaswell® S-2**
- Hydrophilic Strip
  - └ **Sika® Hydrotite**
- Injectable Hose
  - └ **SikaFuko®**
- Dilatasi
  - └ **Sikadur® Combiflex® SG System**

## BASEMENT

### DINDING BASEMENT

- Torching Membrane
  - └ SikaShield® P24 S 3/4mm
- Self Adhesive Membrane
  - └ Sikashield® - W
- Liquid Applied Membrane
  - └ Sikalastic® - 110

### INJEKSI KEBOCORAN

- Waterplug
  - └ Sika® - 102
- Expanding Admixture
  - └ Intraplast®
- Grouting tanpa Aggregate
  - └ SikaGrout® - 200 PT
- Flexible PU - Stop air permanent
  - └ Sika® Injection - 101 AP
- Elastic Polyacrylic - Stop air permanent
  - └ Sika® Injection - 307

## GWT, KOLAM IKAN (NON TOXIC)

### NON EKSPOSE

↳ SikaTop® - 107 Plus

### EKSPOSE

- ↳ Sikagard® - 720 Epocem (Moisture Barrier) + Sikagard® - 62 - Epoxy based
- ↳ Sikalastic® - 871 JW - Polyurea based

## STP / WWTP (CHEMICAL RESISTANT)

### NON EKSPOSE

↳ SikaTop® - 107 Plus

### EKSPOSE

- ↳ Sikagard® - 720 Epocem (Moisture Barrier)+ Sikagard® - 63 N - Epoxy based
- ↳ Sikalastic® - 870 BT - Polyurea based

### EKSPOSE (Temperature Tinggi)

↳ SikaCor® VEL TH

## AREA BASAH

### TOILET - CEMENTITIOUS

- **SikaTop® - 107 Seal**  
**SikaTop® - 107 Plus**

### DRAIN

- **Sikagrout® - 215 New**  
Non Shrinkage

## DINDING LUAR

### DINDING

- **SikaCoat® Plus**  
Acrylic Based Alkali Resistant

### KOLAM RENANG

- **SikaTop® - 109 Elasto**  
Crack Bridging & Elongation Baik

### KELILING / SUDUTAN

- **Sikalastic®-100 SA Tape**

## ATAP

### EKSPOSE

- Atap Beton - Modified Acrylic Polyurethane (LAM)
  - └ **Sikalastic® - 590**
- Atap Beton, GRC, Plywood - PVC Membrane
  - └ **FULLY ADHERED SYSTEM : Sika® Sarnafil® G - 410 L Felt**
- Atap Beton, Metal - PVC Membrane
  - └ **MECHANICAL SYSTEM : Sika® Sarnafil® S - 327 L**
- Atap Beton, Metal - POLYUREA / HYBRID
  - └ **Sikalastic® 871 JW**    └ **Sikalastic® - 853 R AP**
- HELIPAD - POLYUREA — **Sikalastic® 871 W**
- ATAP BETON - Torching Bitumen Membrane — **SikaShield® P24 MG 3mm**



## ATAP

### NON EKSPOSE

- Torching Bitumen Membrane
  - └ **SikaShield® P24 S 3mm/4mm**
- Polyurethane Modified Tar (Liquid Applied Membrane)
  - └ **Sikalastic® - 110**
- PVC Membrane
  - └ **Sika® Sarnafil® G-476 + G-410 L**

### ROOF GARDEN

- Polyurethane Modified Tar (Liquid Applied Membrane)
  - └ **Sikalastic® - 680 RT**
- PVC Membrane
  - └ **Sika® Sarnafil® G-476 + G-410 L**

# FLOORING Finishing Lantai

## FLOOR HARDENER

- Powder
- Liquid

## EPOXY

- Perbaikan permukaan
- Beban ringan
- Beban medium (ruang higienis)
- Beban berat
- Decorative
- Coving / Sudutan
- Dinding dalam

## POLYURETHANE

- Beban medium (suhu  $-5^{\circ}\text{C}$  s/d  $+65^{\circ}\text{C}$ )
- Beban berat (suhu  $-40^{\circ}\text{C}$  s/d  $+120^{\circ}\text{C}$ )
- Aliphatic Coating
- Coving

**TAHAN KIMIA (Chemical Resistant)  
& TEMPERATUR TINGGI**

## ANTI STATIC

- Conductive
- Dissipative

## MOISTURE BARRIER

- Lantai
- Dinding

## FLOORING

### FLOOR HARDENER

Dry Shake - Powder Non Metallic

└ **Sika® Chapdur®**  
(Natural, abu-abu, merah, hijau)

Dry Shake - Powder Metallic Tahan Benturan

└ **Sikafloor® 2 Syntop® 2 / SCD**

Floor Curing & Sealing Compound

└ **Sikafloor® Proseal - 22 (Clear/transparan)**

Liquid Floor Hardener

└ **Sikafloor® Curehard 24**

### TEMPORARY MOISTURE BARRIER

Lantai

└ **Sikafloor® - 81 Epocem®** (±2mm)

Dinding

└ **Sikagard® - 720 Epocem®** (±1mm)

## FLOORING

### EPOXY

#### Perbaiki Permukaan

↳ **Sikafloor® PS - Epoxy Putty**

#### Beban Ringan

Ruang Pompa / ME  
Tangga darurat

↳ **Sikafloor® 2530 W LP/GL**  
(± 0.2 - 0.3 mm) - Epoxy Coating

#### Beban Medium

Car Park, Dapur,  
Ruang Higienis

↳ **Sikafloor® 374 CP SL**  
(± 0.5 mm - 1.0 mm) - Epoxy Self Leveling

↳ **Sikafloor® 264 HC**  
(± 0.5mm) - Epoxy Coating

↳ **Sikafloor® 263 SL HC**  
(± 0.5 - 2.0mm) - Epoxy Self Levelling

#### Beban Berat

Loading dock  
Ramp

↳ **Sikafloor® 161 HC Screed**  
(± 5.0mm) - Epoxy Mortar

#### Lantai Decorative

↳ **Sikafloor® 263 SL Decor**  
(± 4.0mm) - Epoxy Self Levelling

#### Coving

↳ **Sikafloor® - 161 HC Screed**

#### Dinding dalam

↳ **Sikagard® Wallcoat ID**

## FLOORING

### POLYURETHANE

#### Thermal Shock, Beban Medium

└ **Sikafloor® - 21 Purcem® LP** (-5°C - +65°C)  
(± 3.0 - 5.0mm)

#### Thermal Shock, Beban Berat

└ **Sikafloor® - 20 Purcem® LP/LPF** (-40°C - +120°C)  
(± 6.0 - 9.0mm)

#### Aliphatic Coating

└ **Sikafloor® - 315** (± 0.1 mm)

#### Coving - Coating

└ **Sikafloor® - 29 PurCem® LP - Mortar**  
**Sikafloor® - 31 PurCem® LP - Coating**

### TAHAN KIMIA & TEMPERATUR TINGGI

└ **SikaCor® VEL TH**

## FLOORING

### ANTI STATIC

→ Conductive ( $R_g \leq 10^6$  ohm) [EN 1081]

— Sikafloor® - 81 Epocem® ( $\pm 2$ mm)

— Sikafloor® - 220 W Conductive

— Sikafloor® - 381 ECF

Epoxy Highly Chemical Resistant Electrostatic Conductive

→ Dissipative ( $R_g \leq 10^6$  ohm) [EN 1081]

— Sikafloor® - 81 EpoCem® ( $\pm 2$ mm)

— Sikafloor® - 220 W Conductive

— Sikafloor® - 2350 ESD

Epoxy Electrostatic Dissipative Self Smoothing

# MORTAR Building Finishing

## SOLUSI LANTAI

- Keramik
- Granit Tile
- Area basah & heavy duty
- Nat Keramik
- Additive Tile Grout  
(Chemical, Fungi,  
Moss resistant)

## SOLUSI DINDING

- Perekat Bata Ringan
- Plasteran
- Skim Coat

## LEVELLING LANTAI

- Levelling lantai 5 - 10mm
- Levelling lantai 3 - 20mm
- Levelling lantai 20 - 50mm
- Levelling lantai 1.5 - 3mm

## MORTAR

### SOLUSI LANTAI

- Keramik
  - └ **SikaCeram® - 150P**
- Granite Tile
  - └ **SikaCeram® - 180P**
- Area basah, Heavy duty & Tile on tile
  - └ **SikaCeram® TileFix - 200 TA**
- Nat Keramik
  - └ **Sika® Tile Grout**
- Additive Tile Grout
  - └ **SikaCim® Tile Grout Additive**

### SOLUSI DINDING

- Perekat Bata Ringan
  - └ **SikaMur® - 132 ThinBed**
- Plasteran
  - └ **SikaWall® - 162P**
- Skim Coat
  - └ **SikaWall® - 182 Skim Coat**



## MORTAR

### LEVELLING LANTAI

- Levelling lantai 1.5 - 3mm
  - └ **Sikafloor® - 81 EpoCem® New HC**
- Levelling lantai 3 - 20mm
  - └ **Sikacrete® Floor Level**
- Levelling lantai 5 - 10mm
  - └ **Sikafloor® Level FO id**
- Levelling lantai 10 - 40mm
  - └ **Sikafloor® 2 Synctop 2 SCD**
- Levelling lantai 30 - 50mm
  - └ **Sikafloor® - 55 Level**

# SEALANT

## SILICONE

- Curtain Wall
- Structural Glazing
- Aluminium Composite Panel
- Batu Alam
- Kolam Renang Sanitary

## POLYURETHANE

- Beton Precast - Papan Semen
- Apron Bandara
- Lantai Industri
- Aluminium Composite Panel - ACP Panel
- Aluminium - Concrete
- Parquet - Lantai kayu
- Embedded Glass - Frameless Railing Glass
- Expanding Polyurethane Foam

## FIRE RATED

- Joint Lantai - Curtain wall
- Sealant Silicon
- Sealant Acrylic - Intumescent Sealant
- Beton / Permukaan berpori
- Foam Polyurethane
- Backer Rod
- Acrylic Coating

## LAIN - LAIN

- PVC / UPVC - Modified Silicone/STP
- Metal - Metal (Roof) - Modified Silicone/STP
- Kaca - Metal
- Jalan Raya - Hot Pour Sealant
- Instant Adhesive
- Primer

## SEALANT

### SILICONE

#### Curtain Wall

└ Sikasil® WS - 305 S / Sikasil® WS - 355 N

#### Structural Glazing

└ Sikasil® SG - 20 S  
└ Sikasil® SG - 500 S

#### Aluminium Composite Panel

└ Sikasil® WS - 355 N

#### Batu Alam

└ Sikasil® WS - 355 N

#### Kolam Renang

└ Sikasil® Pool

#### Sanitary

└ Sikasil® 111 MP (General Purpose)

## SEALANT

### POLYURETHANE

#### Beton Precast - Papan Semen

- └ Sikaflex® - 140 Construction
- └ Sikaflex® Construction +
- └ Sikaflex® - 711 LM

#### Apron Bandara

- └ Sikaflex® - 406 KC

#### Lantai Industri

- └ Sikaflex® PRO 3

#### Aluminium Composite Panel - ACP Panel

- └ Sikaflex® - 711 LM

#### Aluminium - Concrete

- └ Sikaflex® - 11 FC

#### Parquet - Lantai Kayu

- └ Sikabond® T-55

#### Embedded Glass - Frameless Railing Glass

- └ SikaForce® - 335 GG

#### Expanding Polyurethane Foam

- └ Sikaboom® AP

## SEALANT

### FIRE RATED

#### Joint Lantai - Curtain Wall

- └ Sikasil® FS - 665 SL (Self Levelling)
- └ Sikaseal® - 626 Fire Board

#### Sealant Silicon

- └ Sikasil® - 670 Fire

#### Sealant Acrylic - Intumescent Sealant

- └ Sikacryl® - 620 Fire
- └ Sikacryl® - 621 Fire

#### Beton / Permukaan Berpori

- └ Sikaflex® 400 Fire

#### Foam Polyurethane

- └ SikaBoom® Fire Rate

#### Backer Rod

- └ Sika® Backer Rod Fire

#### Acrylic Coating

- └ Sikacryl® 624 Fire

#### Collar - Wrapping

- └ Sikaseal® - 627 Fire Collar
- └ Sikaseal® - 628 Fire Wrap
- └ Sikaseal® - 629 Fire Wrap

## SEALANT

### LAIN - LAIN

#### PVC / UPVC

- └ SikaHyflex® - 220 Window  
Modified Silicone / STP

#### Metal - Metal

- └ Sikaflex® - 117  
Modified Silicone / STP

#### Kaca - Metal

- └ Sikasil® - 701

#### Jalan Raya

- └ Igas® - B New  
Hot Pour Sealant

#### Instant Adhesive

- └ Sikaflex® - 116

#### Primer

- └ Sika® Primer 206 G+P  
Sika® Primer 3N (Primer Beton)

# PERBAIKAN BETON

## KEROPOS

- Ketebalan < Selimut Beton  
**PATCHING**
- Ketebalan > Selimut Beton  
**GROUTING**

## RETAK

- Non Struktur
- Struktur

## PERBAIKAN BETON

### KEROPOS Patching

#### Primer

— **Sika® MonoTop® - 910 N**  
Comp. Str. = ~ 35 MPa (28 days); Flex. Str. = ~5 MPa

#### Maksimum Ketebalan 5mm

— **SikaTop® - 121 [Primer]**  
Comp. Str. = ~ 42 MPa (28 days); Flex. Str. = ~14 MPa

#### Maksimum Ketebalan 20mm

— **SikaTop® - 122**  
Comp. Str. = ~ 52 MPa (28 days); Flex. Str. = ~13 MPa

#### Maksimum Ketebalan 50mm

— **Sika® MonoTop® - 613 IND**  
Comp. Str. = ~ 45 MPa (28 days); Flex. Str. = ~10 MPa  
**Sika® MonoTop® - 614 HS**  
Comp. Str. = ~ 55 MPa (28 days); Flex. Str. = ~10 MPa

#### Maksimum Ketebalan 80mm - Overhead

— **Sika® MonoTop® - 615 HB**  
Comp. Str. = ~ 40 MPa (28 days); Flex. Str. = ~10 MPa

#### Maksimum Ketebalan 60mm - Epoxy Based

— **Sikadur® - 41 CF Normal**  
Comp. Str. = 77-87 MPa (7 days); Flex. Str. = ~43 MPa  
**Sikadur® - 732 [Primer]**  
Comp. Str. = 63 MPa (28 days); Flex. Str. = ~39 MPa



## PERBAIKAN BETON

### KEROPOS Grouting

- **SikaGrout® FM**  
Comp. Str. = ~ 60 MPa (28 days); Flex. Str. = ~5 MPa
- **SikaGrout® - 215 New**  
Comp. Str. = ~ 65 MPa (28 days); Flex. Str. = ~6 MPa
- **SikaGrout® - 214 - 11**  
Comp. Str. = ~ 72 MPa (28 days); Flex. Str. = ~6.5 MPa
- **SikaGrout® - 215 M**  
Comp. Str. = ~ 73 MPa (28 days); Flex. Str. = ~8 MPa
- **SikaGrout® UW ID (Under Water)**  
Comp. Str. = ~ 40 MPa (28 days); Flex. Str. = ~5 MPa
- **Sikadur® - 42 MP Normal HC (Epoxy Grout)**  
Comp. Str. = ~ 107 MPa (7 days); Flex. Str. = ~32 MPa

## PERBAIKAN BETON

### RETAK Struktur

- Perekat Nipple, Sealing Crack

- └ Sikadur® - 31 CF Normal

- Pengisi Retak

- └ Sikadur® - 752

### RETAK Non - Struktur

- SikaGrout® - 200 PT id  
Comp. Str. = ~ 55 MPa (28 days)

- Sika® Intraplast® + Semen

# PERKUATAN STRUKTUR BETON

## PENAMBAHAN BALOK WF

- Grouting

## PEMBESARAN DIMENSI

- Lantai
- Grouting

## STEEL JACKETING

- Epoxy

## CARBON FIBRE

- Sika Carbodur
- Sika Wrap

## PERKUATAN STRUKTUR BETON

### PENAMBAHAN BALOK WF

#### Grouting

##### SikaGrout® FM

Comp. Str. = ~ 60 MPa (28 days); Flex. Str. = ~5 MPa

##### SikaGrout® - 215 New

Comp. Str. = ~ 65 MPa (28 days); Flex. Str. = ~6 MPa

##### SikaGrout® - 214 -11

Comp. Str. = ~ 72 MPa (28 days); Flex. Str. = ~6.5 MPa

##### SikaGrout® - 215 M

Comp. Str. = ~ 73 MPa (28 days); Flex. Str. = ~8 MPa

### PEMBESARAN DIMENSI

#### Lantai

##### Bonding

Sikadur® 732

##### Self Compacting Concrete

Sikacrete® - 08 SCC ID

#### Grouting

##### SikaGrout® FM

Comp. Str. = ~ 60 MPa (28 days); Flex. Str. = ~5 MPa

##### SikaGrout® - 215 New

Comp. Str. = ~ 65 MPa (28 days); Flex. Str. = ~6 MPa

##### SikaGrout® - 214 -11

Comp. Str. = ~ 72 MPa (28 days); Flex. Str. = ~6.5 MPa

##### SikaGrout® - 215 M

Comp. Str. = ~ 73 MPa (28 days); Flex. Str. = ~8 MPa

## PERKUATAN STRUKTUR BETON

### STEEL JACKETING

- Sikadur® - 31 CF Normal
- Sikadur® - 752

### CARBON FIBRE

- Sika® Carbodur® Plate (lentur)
  - └ Sika® Carbodur® S512
  - └ Sika® Carbodur® S1012
- Sika® Carbodur Rods® (lentur)
  - └ Sika® Carbodur Rods® BC - 8
  - └ Sika® Carbodur Rods® BC - 10
- SikaWrap® FX - 50 C (lentur)
- SikaWrap® (lentur, geser, confinement)
  - └ SikaWrap® - 231 C
  - └ SikaWrap® - 301 C
  - └ SikaWrap® - 600 CWY

# ADMIXTURE BETON

## RETARDER

- ↳ Sika® Plastocrete
- ↳ Sika® Plastiment

## SUPERLASTICIZER

- ↳ Sikament®
- ↳ Sika® Viscocrete®

## DURABILITY

- ↳ SikaFume®  
Mengurangi Suhu Beton, Mengurangi penggunaan semen

## EVAPORATION CONTROL

- ↳ SikaFilm® ID

## REDUCE PLASTIC SHRINKAGE

- ↳ Sika® Fiber

# MATERIAL PENDUKUNG

PROTECTIVE COATING

BONDING AGENT

CURING COMPOUND

LAIN - LAIN

## MATERIAL PENDUKUNG

## PROTECTIVE COATING

### Water Repellent Impregnation

└ Sikagard® - 707 W (Matt Finish)

### Hydrophobic Impregnation

└ Sikagard® - 705 L

### Beton Expose

└ Sikagard® - 675 Elastocolor

### Cementitious Polymer

└ SikaTop® - 144  
Facade Arsitektural

### Modified Cementitious Polymer

└ Sika® MonoTop® - 910 N - Anti Korosi untuk Beton

### Cementitious Epoxy Resin

└ SikaTop® Armatec® - 110 EpoCem®  
Anti Korosi untuk Baja / Besi

### Corrosion Inhibitor

└ Sika® FerroGard® - 903 +

### Anti Graffiti

└ Sikagard® - 850 AG

### Epoxy Resin Protective Coating

└ Sikagard® - 62 - Non Toxic  
└ Sikagard® - 63N - Tahan Kimia



## MATERIAL PENDUKUNG

### BONDING AGENT

- Polyvinyl Acetate
  - └ Sikabond® NV
- Polymer Based
  - └ SikaTop® 77 D
- Latex Based
  - └ SikaLatex®
- Epoxy Based
  - └ Sikadur® - 732

### CURING COMPUND

- Antisol® S
- Antisol® E - 125

### LAIN - LAIN

- Form Oil - Oil Based
  - └ Sika® Separol® - 10
- Form Oil - Water Based
  - └ Sika® Separol® - 180 C
- Surface Retarder - Permukaan Beton Kasar
  - └ Rugasol® C & F

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**BUILDING TRUST**

