



FREYSSINET

QUOTATION

Project Title : Expansion Joint
 No. : MD-356/FTT/BJB/X/25
 Date : 27-Oct-25
 Validity : 30 hari dari tanggal surat penawaran ini
 Production : $\pm$ 4 minggu dari tanggal gambar teknik disetujui dan PO
 Tech. Dwg. : 1 minggu dari tanggal kontrak ditandatangani
 Ship. Terms : **Franco Proyek di atas truk**
 Payment : DP 30%, MOS 100% sisanya 30 hari dari tanggal invoice
 Others :
 - Harga belum termasuk PPn 11% dan sudah termasuk PPh
 - Harga belum termasuk biaya SCF/SKBDN
 - Harga belum termasuk biaya kunjungan pabrik

To :
PT. PP (Persero) Tbk

PROJECT:
Peningkatan Kapasitas Lajur Segmen
Kejapanan Gempol

Up: Bapak Muyyasar

No.	Description (s)	Unit	Qty	Unit Price [Rp]	Total Price [Rp]
A	Expansion Joint				
1	Expansion Joint Tipe D-1 Asphaltic Expansion Joint, terpasang lebar 50 cm (tebal aspal 110 mm, tebal plate 5 mm)	M	389		
2	Expansion Joint Tipe E Asphaltic Expansion Joint, terpasang lebar 100 cm (tebal aspal 60 mm, tebal plate 3mm)	M	2213		
3	Mobilisasi	Is	1		
				Total Harga	

Hormat kami,
PT. Freyssinet Total Technology



Engineering and Marketing Manager

PT FREYSSINET TOTAL TECHNOLOGY

- Metropolitan Tower 9th Floor, Jl. R.A. Kartini Kav 14, Cilandak. Jakarta 12430, INDONESIA
- Phone (021) 27826097- E-mail : ftt@freyssinet.co.id
- Website : www.freyssinet.co.id

SUBSIDIARIES OF  **SOLETANCHE FREYSSINET**

PRODUCTION & DELIVERY SCHEDULE OF BEARING
PROJECT : PEKERJAAN PENINGKATAN KAPASITAS LAJUR SEGMENT KEJAPARAN GEMPOL
KONTRAKTOR : PT. PP (Persero) Tbk

NO.	DESCRIPTION	DURATION (IN WEEKS)	2025																				
			OCT. 2025 (WEEK)				NOV. 2025 (WEEK)					DEC. 2025 (WEEK)				JAN. 2026 (WEEK)				FEB. 2026 (WEEK)			
			1	2	3	4	1	2	3	4	5	1	2	3	4	1	2	3	4	1	2	3	4
	PO Expansion Joint																						
1	DESIGN & DRAWING (PROVIDED BY FACTORY)	1																					
	Shop Drawing Design & Approval Drawing by Client																						
2	PRODUCTION PHASE	4																					
	Production, 2602 M (in one batch)																						
	Binder, Rubber Foam, Steel Element, Agregat, etc																						
4	DELIVERY PHASE FROM FACTORY TO SITE	1																					
	20ft, 1063 (Est. 10160 KG)																						
	TO SURABAYA, INC. CUSTOM CLEARENCE (20 FT)																						
5	INSTALLATION PHASE AT SITE	5																					
	Installation 2602 M																						
	Binder, Rubber Foam, Steel Element, Agregat, etc																						

NOTE:

- PO: NO DELAY IN PROCESSING
- APPROVAL: NO DELAY IN THE APPROVAL PHASE
- PRODUCTION: NO TEST & NO FACTORY VISIT & NO TOUCH UP WORK AFTER TESTING
- INSTALLATION CONDITION:

ALL STEEL STRUCTURE BRIDGE & CONCRETE CORBEL READY AT SITE & ALL SUPPORTING TOOLS READY FOR INSTALLATON STRIP SEAL

NO DELAY FOR INSTALLATION WORKS AFTER ARRIVAL POT BEARING AT SITE

FACILITIES THAT MUST BE PROVIDED BY CLIENT: WAREHOUSE; ELECTRICITY; SECURITY; HANDLING TOOLS/CRANE FOR ERECTION; STAGGER/SCAFOLDING; COMPRESSOR

Diajukan Oleh,
PT. Freyssinet Total Technology


(Gugum Taufik Gumilar)

Disetujui Oleh,
PT. PP (Persero) Tbk

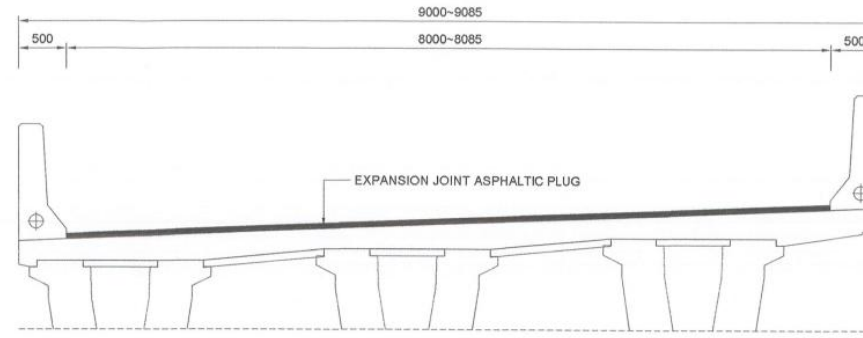
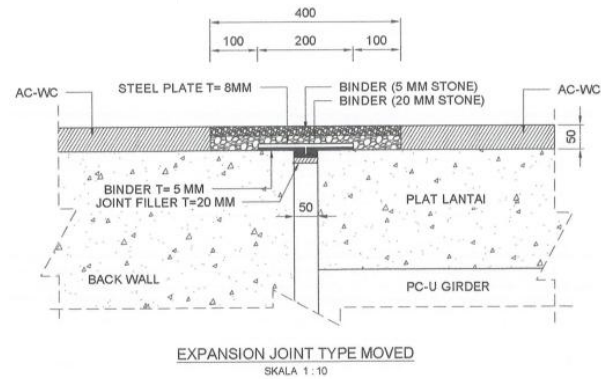
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BAGIAN 1

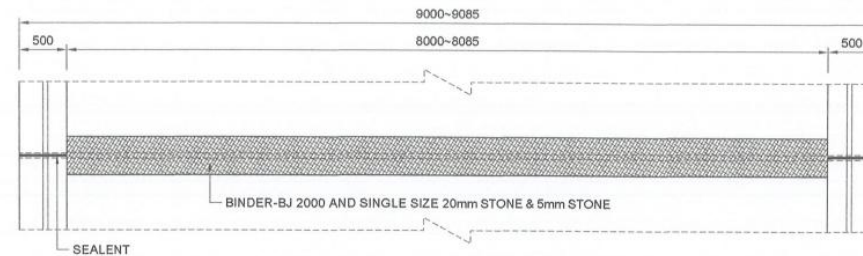
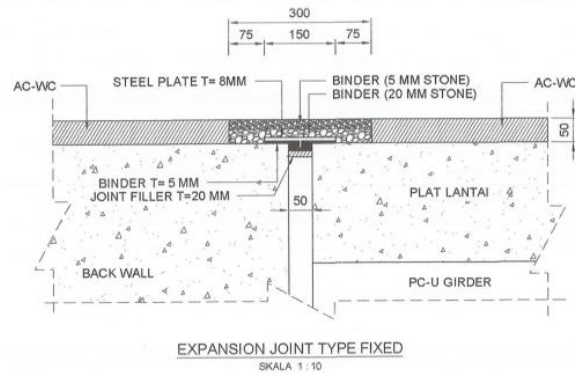
Pelebaran Jalan Tol Surabaya Gempol

Expansion Joint
Type Asphaltic plug

SPEKIFIKASI DAN STANDARD DESAIN



ASPHALTIC PLUG EXPANSION JOINT
SKALA 1:50

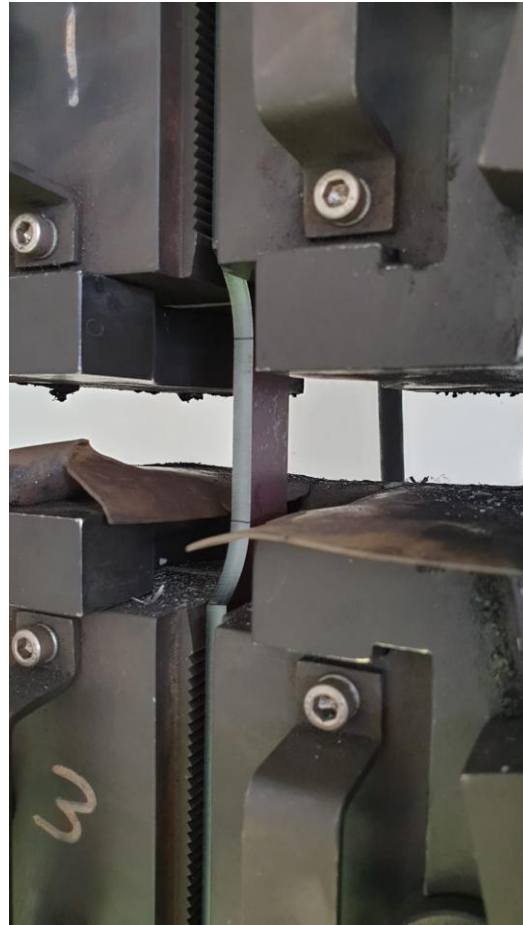


PLAN PEMASANGAN EXPANSION JOINT
SKALA 1:50

PENGUJIAN KUALITAS



PENGUJIAN KUALITAS



PENGUJIAN KUALITAS

GSI-TEST		LAMPIRAN SERTIFIKAT UJI TARIK STATIS TENSILE TEST CERTIFICATE ATTACHMENT		Halaman Page	Dari 1 of 1
Nama Customer Customer Name	:	Bahan Material	:	Logam	
Nama Proyek Project Name	:	Standar Standard	:	SNI 8389 - 2017	
Nomor Sertifikat Certificate Number	:	Mesin Uji Test Machine	:	JTM - 100HS	
Tanggal Terima Sampel Date of Sample Receiving	:	Ketertelusuran Standar Traceability Standard	:	1915/GSI-Cert/V/22	
Tanggal pengujian Test Date	:	Kelembaban Udara Humidity	:	(58 ± 2,5) % RH	
Suhu Temperature	:				

No Nr	Sampel Uji Sample Test	Kode Code	Tebal Thickness (mm)	Lebar Width (mm)	Luas Area Area (mm ²)	Beban Luluh Yield Load (N)	Beban Max. Max. Load (N)	Kekuatan Luluh Yield Strength (N/mm ²)	Kekuatan Tarik Tensile Strength (N/mm ²)	Regangan Elongation (%)	Keterangan Remark
1	PLATE 6 mm	-	6.08	24.35	148.05	69715.8	81212.2	470.9	548.6	26.88%	-
2	PLATE 8 mm	-	7.86	24.40	191.78	65513.4	94077.8	341.6	490.5	35.32%	-

Catatan

Hasil uji ini hanya representatif dari spesimen yang diuji, di luar spesimen tersebut bukan tanggung jawab Laboratorium Penguji dan Kalibrasi PT. Guna Sukses Inti

* Ketidakpastian yang dilaporkan adalah ketidakpastian bentang pada tingkat kepercayaan 95 % dengan faktor cakupan k=2



PT. GUNA SUKSES INTI

Jababeka Inovation Center, Jln. Bizzpark Blok A No: 23,
Mekarmukti, Cikarang Utara - 17530
Tlp: 021-89325740 Email : testinglab@gsi-id.com

Customer : Material Name : PLATE 8 mm

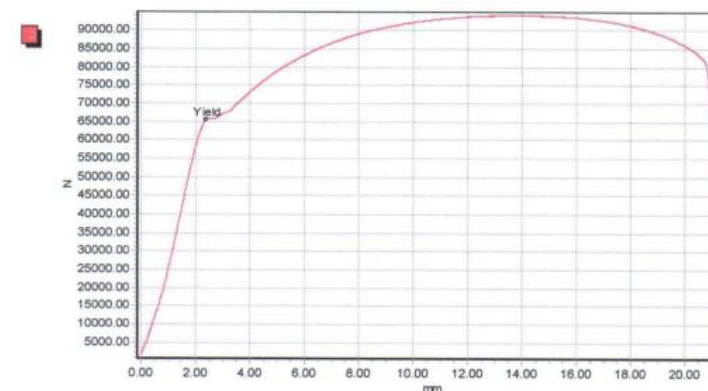
No. Kontrak : 2022/VII/040 Material Type : Baja

No. Laporan : 2022.LAB.UT.VII.040 Material No : 2

Tanggal Uji : 19-Jul-22 Standar : SNI 8389:2017

Tgl penerimaan spesimen : 19-Jul-22 Mesin Uji : JTM-100HS

No	Dimensi (mm)		Ao	Yield	Y' S	Max Force	T'S
	Lebar	Tebal	(mm ²)	(N)	(N/mm ²)	(N)	(N/mm ²)
2	24.40	7.86	191.78	65513.43	341.60	94077.84	490.54



Teknisi
GSI-TEST
Handi Fathurrohman

- Hasil uji ini hanya representatif dari spesimen yang diuji, di luar spesimen tersebut bukan tanggung jawab Lab. Uji PT. Guna Sukses Inti

PENGUJIAN KUALITAS



LABORATORIUM STRUKTUR DAN MATERIAL
Departemen Teknik Sipil - Fakultas Teknik
Universitas Indonesia
Kampus UI Depok 16424, Telp. (021) 787 4878 - 7866594 - 727 0029 (Ext.110) - Fax. 7866594

PENGUJIAN KEAUSAN (ABRASION) UNTUK AGREGAT KASAR DENGAN MENGGUNAKAN MESIN LOS ANGELES (AASHTO T.96-77)

Nomor : **3** /H/ABR/LBSM/FTUI/X/2023.
Kegiatan Penelitian : CV. NIKITA KARJA
Jenis Contoh : AGREGAT 10-20 MM
Sumber Contoh : EX. CIBARUSAH
PROYEK TOL JORR W1 (PT. JAKARTA LINGKAR BARATSATU)
JLN. PURI LKR. LUAR NO.1 KEMBANGAN, KEC. KEMBANGAN
KOTA JAKARTA BARAT - DKI JAKARTA 11610

Ukuran Saringan		Ukuran Berat Contoh (gram)		
LOLOS	TERTAHAN	Grading-B	Grading-B	Grading-3
76,2 3"	63,5 2 1/2"	11 Bola	11 Bola	
63,5 2 1/2"	50,8 2"			
50,8 2"	37,5 1 1/2"			
37,5 1 1/2"	25,4 1"			
25,4 1"	19 3/4"			
19,0 3/4"	12,5 1/2"	2500	2500	
12,5 1/2"	9,5 3/8"	2500	2500	
9,5 3/8"	6,3 1/4"			
6,3 1/4"	4,75 #4			
4,75 #4	2,36 #8			
Berat total contoh Sebelum di uji (A)		5000	5000	
Berat Contoh Tertahan Pada saringan 1.7 mm setelah di uji (B)		4149	4112	
Keausan (Abrasion) = $\frac{A - B}{A} \times 100 (\%)$		17,02%	17,76%	Average 17,39%

Dikerjakan Oleh : EDR
Tanggal : 26 OKTOBER 2023.



Dr. Ing. Tr. Josia I. Rastandi, ST, MT



STRUCTURE AND MATERIAL LABORATORY
Department of Civil Engineering - Faculty of Engineering
University of Indonesia
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FLAKINESS INDEX BS-812

No. : **3** /H/FLBS/FTUI/X/2023.
Sample : COARSE AGGREGATE
Size : 10-20 MM
Source : EX. CIBARUSAH
Research Activity : CV. NIKITA KARJA
PROYEK TOL JORR W1 (PT. JAKARTA LINGKAR BARATSATU)
JLN. PURI LKR. LUAR NO.1 KEMBANGAN, KEC. KEMBANGAN
KOTA JAKARTA BARAT - DKI JAKARTA 11610

	1	2	
Weight of Aggregate Retain Sieve 1/2" before tes (gram)	1000	1000	
Weight of Aggregate Retain Sieve 1/2" after test (gram)	880,25	890,75	
Weight of Flaky Aggregate = A - B (gram)	119,75	109,25	Max 25%
Flakiness Index Value = $\frac{A - B}{A} \times 100\%$	11,98%	10,93%	
Average	11,45%		



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PENGUJIAN KEKUATAN AGREGAT TERHADAP TUMBUKAN (AGGREGATE IMPACT VALUE)

Nomor : **3** /H/KTLBSM/FTUI/X/2023.
Kegiatan Penelitian : CV. NIKITA KARJA
Jenis Contoh : AGREGAT 10-20 MM
Sumber Contoh : EX. CIBARUSAH
PROYEK TOL JORR W1 (PT. JAKARTA LINGKAR BARATSATU)
JLN. PURI LKR. LUAR NO.1 KEMBANGAN, KEC. KEMBANGAN
KOTA JAKARTA BARAT - DKI JAKARTA 11610

Jenis Pemeriksaan	Hasil		Keterangan
	1	2	
Berat Wadah (gram)	2838	2838	
Berat Wadah + Sampel (gram)	3511	3577	
Berat sampel sebelum diuji tertahan saringan 3/8" (A) (gram)	673	739	
Berat sampel setelah diuji tertahan saringan No. 8 (B) (gram)	621	689	
Nilai Kuat Tumbukan = $\frac{A - B}{A} \times 100\%$	7,73%	6,77%	
Rata-rata	7,25%		

Dikerjakan oleh : EDR
Tanggal : 27 OKTOBER 2023.



Dr. Ing. Tr. Josia I. Rastandi, ST, MT

SCHEDULE

PRODUCTION & DELIVERY & INSTALLATION SCHEDULE OF ASPHALTIC JOINT

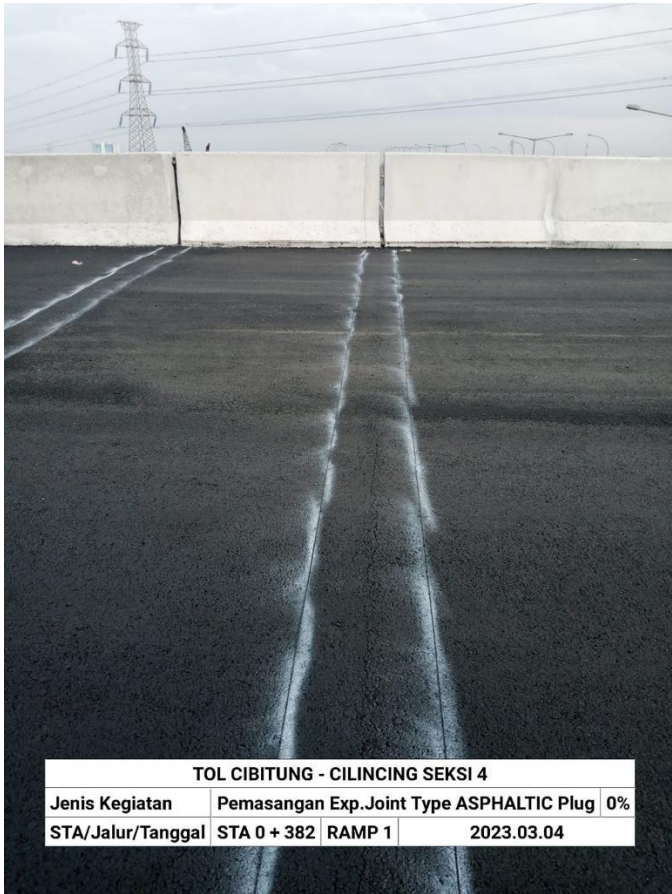
FO ALOHA

KONTRAKTOR: WIJAYA KARYA - NINDYA KARYA KSO

NO.	DESCRIPTION	DURATION (IN WEEKS)	NOV 2023 (WEEK)				DEC 2023 (WEEK)			
			1	2	3	4	1	2	3	4
1	PO/SPK ASPHALTIC JOINT	1								
DESIGN, PRODUCTION, DELIVERY										
2	DESIGN & DRAWING (PROVIDED BY FACTORY) Shop Drawing Design & Approval Drawing by Client (WIKI-NK & TEAM)	1								
3	MOBILISASI PHASE TO SITE TO SIDOARJO	1								
4	INSTALATION 192 m (Type Fixed) 192 m (Type Moved)	2								

METODE PEMASANGAN

1. MARKING



2. CUTTING

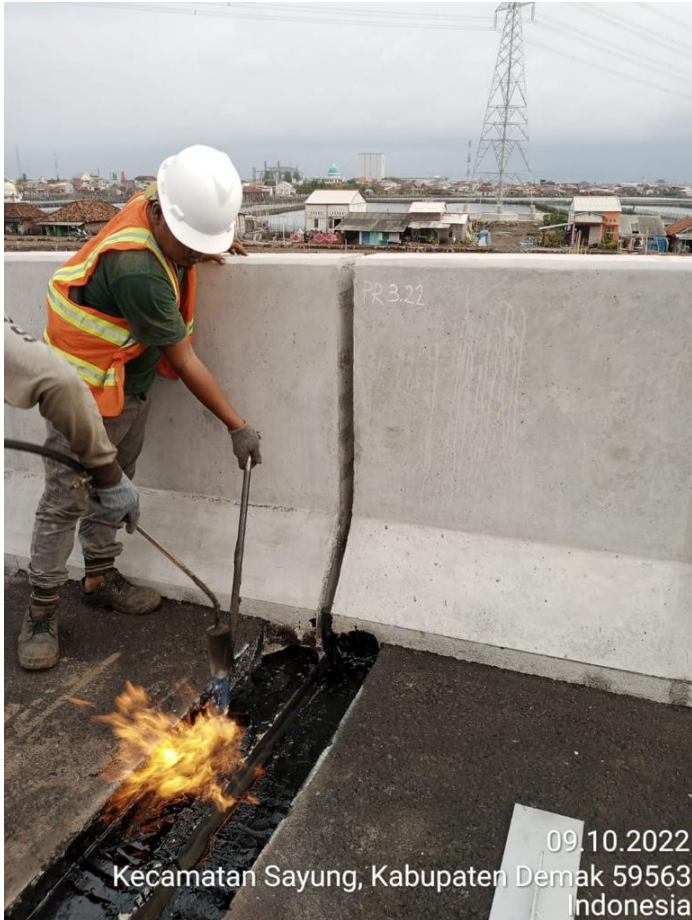


3. BREAKING

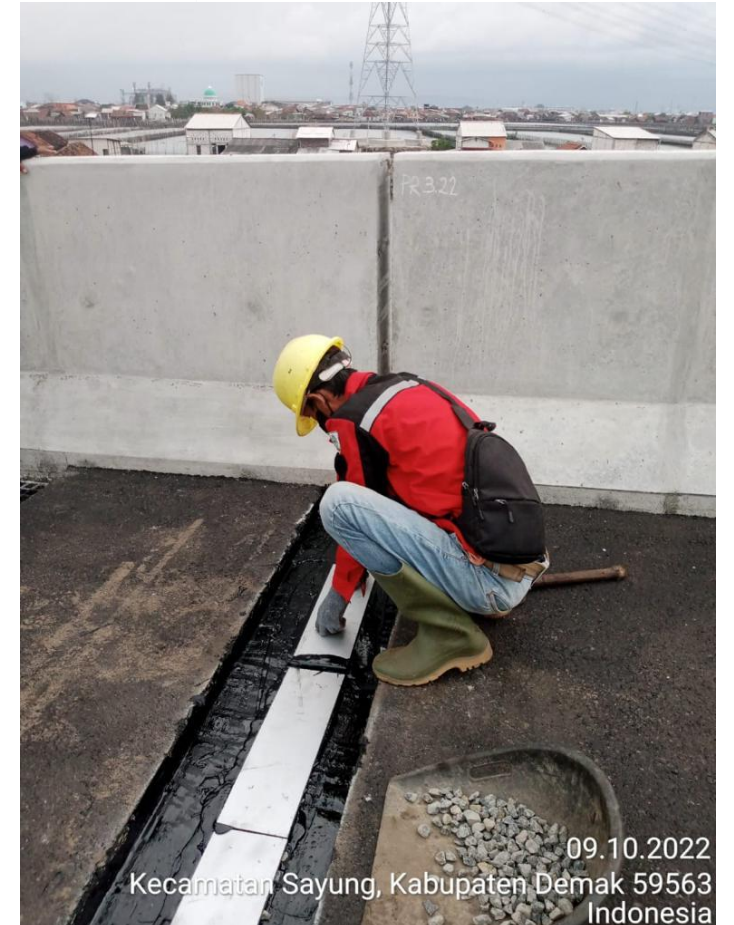
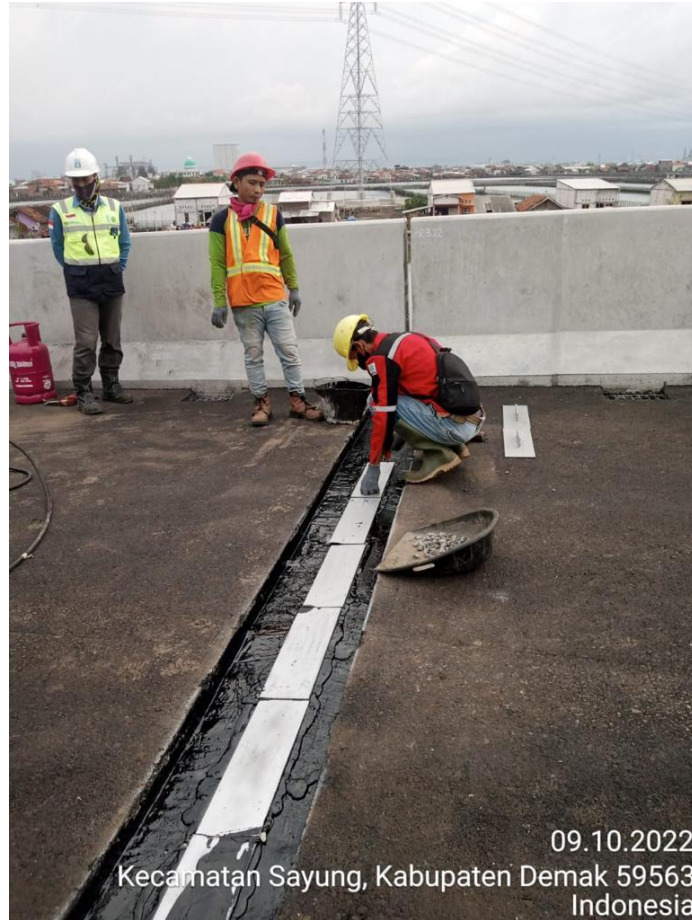


METODE PEMASANGAN

4. CLEANING & COATING



5. PLATING



METODE PEMASANGAN

6. DRYING



METODE PEMASANGAN

7. MIXING, FILING & STAMPING



METODE PEMASANGAN

7. FINISHING

