

INDUSTRIAL COATINGS

TANK PROTECTION, CHEMISTRY AND INDUSTRY, APPLICATION CENTER

3.5 CHEMISTRY AND INDUSTRY

PRODUCTS / SYSTEMS / DEMANDS

TYPICAL COATING SYSTEMS FOR ATMOSPHERIC C5 CONDITIONS (ISO 12944:2018)

Primer		Intermediate Coat		Top Coat		System		Corrosivity category			
Product Name	NDFT	Product Name	NDFT	Product Name	NDFT	MNOC	NDFT	C5			
	[µm]		[µm]		[µm]		[µm]	—	Σ	±	VH
Sika® Permacor®-2204 VHS	220			SikaCor® EG-5*5	80	2	300				
SikaCor® EG Phosphat *1	100	SikaCor® EG-1*2	120	SikaCor® EG-5*5	80	3	300				
SikaCor® ZP Primer	100	SikaCor® ZP-1	120	SikaCor® EG-5*5	80	3	300				
SikaCor® Zinc R*4	80	SikaCor® EG-1*2	100	SikaCor® EG-5*5	80	3	260				
SikaCor® Zinc R*4	80	SikaCor® ZP-1	100	SikaCor® EG-5*5	80	3	260				
Sika Poxicolor® Primer HE NEU	100	SikaCor® EG-1 VHS	120	SikaCor® EG-5*5	80	3	300				
SikaCor® Zinc R*4	80	SikaCor® EG-1 VHS	100	SikaCor® EG-5*5	80	3	260				
SikaCor® Zinc R*4	60	SikaCor® 2440 MF	120	SikaCor® EG-5*5	80	3	260				
SikaCor® Zinc R*4	80	Sika Poxicolor®	120	Sika Poxicolor®	120	4	320				
Sika® Permacor® -2311 Rapid	80	Sika® Perm.®-2215 EG VHS	160	Sika® Perm.®-2230 VHS	80	3	320				
SikaCor® Zinc R*4	80	SikaCor® EG-1 VHS	160	SikaCor® EG-5*5	80	3	320				
SikaCor® Zinc R*4	80	SikaCor® EG-1*2	2x80	SikaCor® EG-5*5	80	4	320				
Sika® Permacor®-2204 VHS	140	Sika® Permacor®-2204 VHS	140	SikaCor® EG-5*5	80	3	360				

*1 Alternatively SikaCor® EG-Phosphat Rapid/Plus *2 Alternatively SikaCor® EG-1 Rapid/Plus *3 Alternatively SikaCor® PUR Color Plus

*4 Alternatively SikaCor® Zinc R Rapid *5 Alternatively SikaCor® EG-4, SikaPermacor®-2330 oder SikaPermacor®-2230 VHS

*6 Alternatively SikaCor®-6630 Plus *7 Alternatively SikaCor®-6630 Primer Plus

4. TANK PROTECTION



4.7 TANK PROTECTION PRODUCTS

MULTI LAYER PRODUCTS, LOW SOLVENT

Sika® Permacor®-3326 EG H

Low solvent containing 2-pack epoxy coating for steel and concrete.

The coating has high physical strength, with good abrasion and impact resistance.

Storage tanks:

waste water, salt solutions, cooling water, composting vessels

Atmospheric:

pipe bridges, chemical industry, saline, saltworks, fertilizer industry

Dry film thickness:

250 µm per layer (airless application)

150 µm per layer (brushing/rolling)

Typical standard DFT: 500 µm

4.7 TANK PROTECTION PRODUCTS

SINGLE LAYER PRODUCT, SOLVENT-FREE

Sika® Permacor®-138 A

Solvent-free 2-pack epoxy coating for steel. The coating has high physical strength, with good abrasion and impact resistance and high chemical resistance.

Scope:

Tanks/Pipes internal, flammable liquids, fuels/kerosene, chemicals

Dry film thickness:

400 - 1000 µm (single layer / airless application), brushing/rolling only for small areas/repair works)

Typical standard DFT:

600 - 800 µm

4.7 TANK PROTECTION PRODUCTS

SINGLE LAYER PRODUCT, SOLVENT-FREE

Sika Permacor® -138 A

Solvent-free EP
small/medium size tanks
high chemical resistance



4.7 TANK PROTECTION PRODUCTS

SINGLE LAYER PRODUCT, SOLVENT-FREE, HOTSPRAY

Sika® Permacor®-2807 HS A

Solvent-free 2-pack epoxy coating for steel. The coating has high physical strength, with good abrasion and impact resistance and very high chemical resistance.

Scope:

Refinery tanks internal, flammable liquids fuels/kerosene, chemicals, aggressive waste water

Dry film thickness:

500 - 2500 µm (single layer / **hotspray** application), repair works by trowel

Typical standard DFT:

800-1000 µm

4.7 TANK PROTECTION PRODUCTS

SINGLE LAYER PRODUCT, SOLVENT-FREE, HOTSPRAY

Sika Permacor®-2807 HS A

Solvent-free EP
refinery size tanks
very high chemical resistance



4.7 TANK PROTECTION PRODUCTS

SINGLE LAYER PRODUCT, SOLVENT-FREE, HOTSPRAY

Sika® Permacor®-2107 HS

Solvent-free 2-pack epoxy coating for steel. The coating has high physical strength, with good abrasion and impact resistance.

Scope:

External surfaces of buried steel tanks, resistant to root damage and microbiol. degradation, excellent resistant to salt water and spillage of chemicals, suitable for cathodic corrosion protection

Dry film thickness:

800 - 1500 µm (single layer / **hotspray** application), repair works by trowel

Typical standard DFT:

1000 µm

4.7 TANK PROTECTION PRODUCTS

SINGLE LAYER PRODUCT, SOLVENT-FREE, HOTSPRAY

Sika Permacor® -2107 HS

Solvent-free EP
external surfaces, buried tanks
suitable for cathodic corrosion protection



4.8 TANK PROTECTION

SECONDARY CONTAINMENT / CONCRETE

VINYLESTER LAMINATE SYSTEM CONDUCTIVE

SikaCor® VEL

Scope:

Secondary containments where extraordinary chemical resistance is demanded, e.g.:

- Hydrochloric acid 37 %
- Sulfuric acid 70 %
- Nitric acid 65 %
- Sodium hypochlorite
- Hydrogen peroxyde 30 %
- Halogenated hydrocarbons

Typical standard DFT:

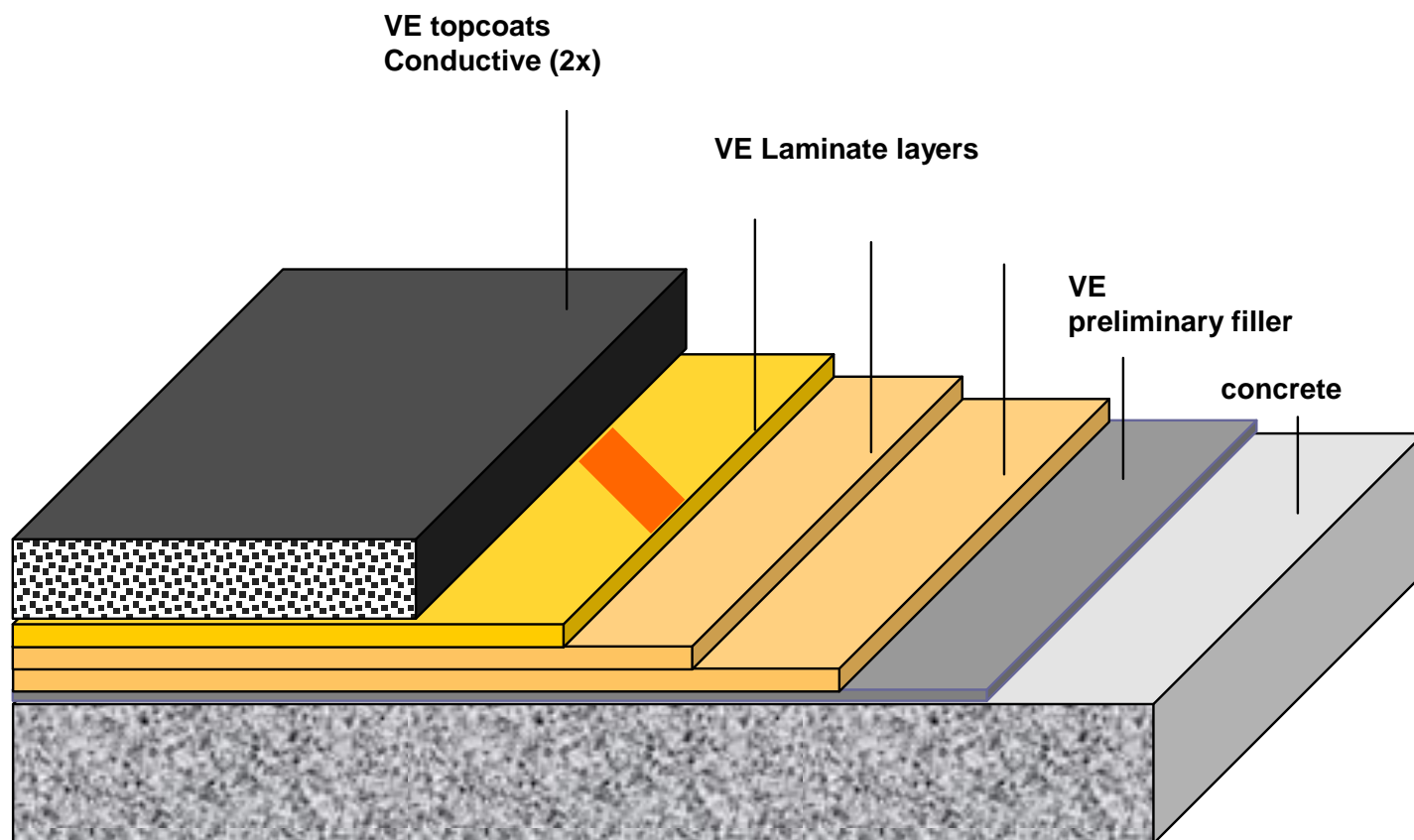
3000 µm

4.8 TANK PROTECTION

SECONDARY CONTAINMENT / CONCRETE

VINYLESTER LAMINATE SYSTEM CONDUCTIVE

SikaCor® VEL

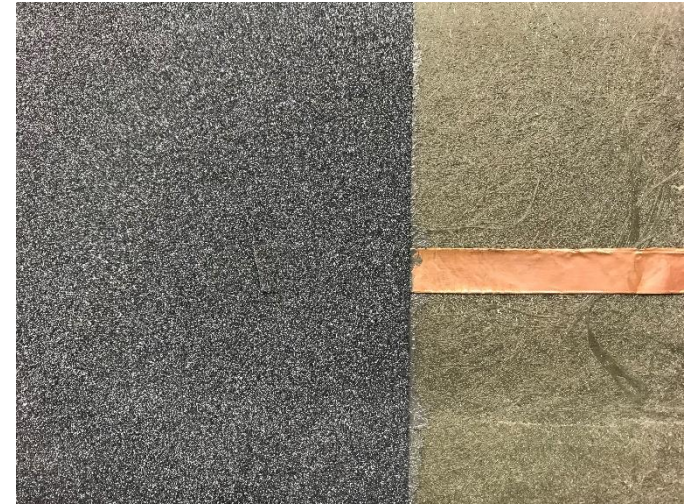


4.8 TANK PROTECTION

SECONDARY CONTAINMENT / CONCRETE

VINYLESTER LAMINATE SYSTEM CONDUCTIVE

SikaCor® VEL



4.8 TANK PROTECTION

SECONDARY CONTAINMENT / CONCRETE

VINYLESTER LAMINATE SYSTEM CONDUCTIVE

SikaCor® VEL



5. APPLICATION CENTRE





BUILDING TRUST



Sika®

