



POLINTEK



*The Advance Polymer Technology Problem Solving*

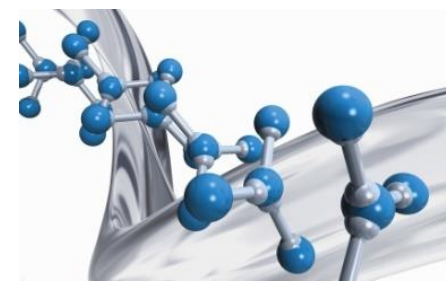
**POLINTEK®**

*(Polimer Indonesia Teknologi)*





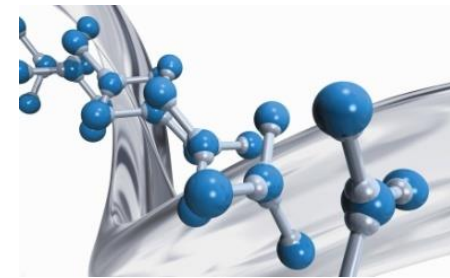
**POLINTEK®**



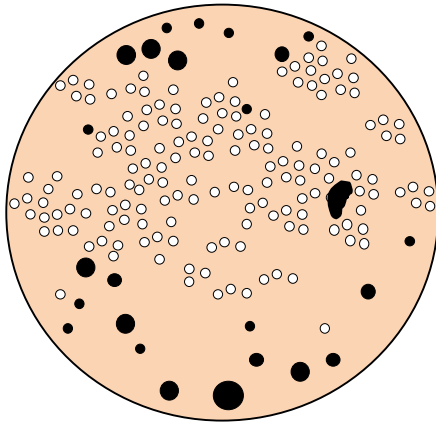
POLINTEK® help to find the best solutions for:  
***Corrosion, Degradation & Leaking***

POLINTEK® build from ***Nano-material Technology*** :

- *Advanced Physical properties*
- *Advanced Chemical properties*
- *Food grade*



# POLINTEK® - Technology Brief



= Reinforced



= Filler



= Cured Nano Polymer

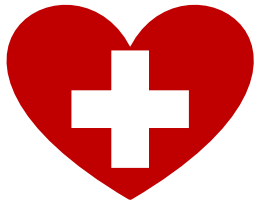
- *Nano-scale system at the chemical composition represent the ultimate substrate characteristics (toughness & ductility) and the ultimate polymer characteristic (flexibility & chemical resistance) combined to provide the excellence characteristic performance.*
- *Polymer structure found that the nano-scale size could penetrates to micro size of substrate structure within polymerization process and inhibit the penetration of micro size of oxidize substance into polymer structure after curing. These offer :*
  1. *The ultimate protection from electrochemical reactive substances (ex. water and hydrocarbon).*
  2. *Best bonding structure within extreme both temperature and pressure.*
  3. *Provide the underwater application.*
  4. *Toxicity hazard free (food grade)*
- *Once reinforcement such as fiber mixed incorporated, would give the ultimate forces acceptance and distribution to minimize the major fracture.*

**POLINTEK®** employs local industrial output resources (waste).

**POLINTEK®** products are non-toxic & environmental friendly.



***Safety process and application***



***Minimize the risks***

***Obtain “Zero Accident” and “Green Tech”***



# POLINTEK® Products

## *Liquid Product*



**Stop Leak & Metal Repair**



**Specialty Coating**



**Lining & Protection**



**Magic Adhesive**



**Concrete Repair**



**Water Shield**



**Sealer**



**Grouting**

Others :

1. Polycrrete
2. Rubber Lining
3. Rubber Sealer
4. Epocrete
5. Hybrid Epocrete
6. Eporethane
7. Epocasting
8. Back Casting Lining & Protection

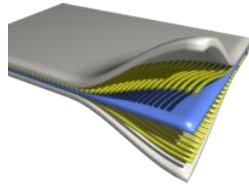


# POLINTEK® Products

## *Solid Product*



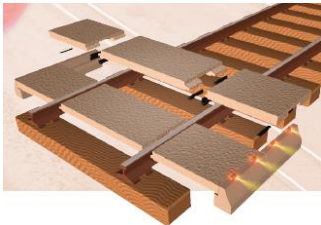
**Rubber Products**



**Composite Panel**



**Synthetic Sleeper**



**Crossing Grade**



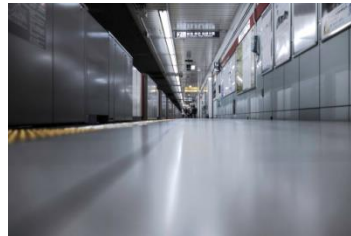
**Impeller Blade**



**Train Brake Shoe**



**Train Floor**



Others :

1. Composite Sheet
2. Composite Block
3. Composite Roof
4. Composite Floor
5. Multi Purposes Composite Block
6. Multi Purposes Composite Sheet
7. Mechanical Seals



- ❖ POLINTEK® has a wide range formula to provide more solution products.
- ❖ POLINTEK® product is challenge to all problem at client, fast and accurate.
- ❖ POLINTEK® product could substitute the using of existing products.
- ❖ POLINTEK® product competitive in price.





CHARACTERISTIC	SCALE			
	COMPETITOR			POLINTEK
	A	B	C	
<u>Adhesive Strength</u>	3 scale	1 scale	2 scale	10 scale
<u>Mechanical Strength</u>	2 scale	2 scale	1 scale	6 scale
Chemical Strength	pair	pair	pair	best
Hydrocarbon Resistance	no	no	no	yes
High Temperature Resistance	pair	pair	pair	best
High Pressure Resistance	pair	pair	pair	best
Underwater Applicable	pair	pair	pair	best
Food Grade	no	no	no	yes

- ❖ POLINTEK® products have already patented at Dirjen HAKI.
- ❖ POLINTEK® trade mark has already registered at Dirjen HAKI.
- ❖ POLINTEK® products are an original invented and owned by DARTA.
- ❖ POLINTEK® products are manufactured by DARTA or affiliates.
- ❖ POLINTEK® product principle is DARTA.
- ❖ POLINTEK® products are developed by DARTA.



# OUR CLIENTS



*and more ...*





# ***APPLICATION***

## ***POLINTEK® Application***



# ***APPLICATION***

## ***POLINTEK® Product Experience***

**Thank You**

