

DP N°24/02

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PPG AC France Immeuble Union square 1, Rue de l'union -CS 10055 92565 Rueil Malmaison Cedex	
Notified body : N°2506 Certificate N° 2506-CPR-PSB-11	
EN 1504-2 : Surface protection systems for concrete - Coating intended for ingress protection, moisture control and increasing resistivity (principles 1, 2 and 8 according to EN 1504-9)	
Système 1 : 2 coats of Sigmashield 880 at 150 µm per coat	
Essential characteristics	Performances
Permeability to water vapour	Class III
Permeability to CO ₂	$S_D > 50 \text{ m}$
Capillary absorption and permeability to water	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$
Adhesion by pull-off test	$\geq 1,0 \text{ MPa}$
Reaction to fire	Class B
Adhesion after thermal compatibility	$\geq 1,0 \text{ MPa}$
Dangerous substances	See MSDS
Système 2 : 2 coats of Sigmashield 880 at 150 µm per coat + 1 coat of Sigmadur 550 at 50 µm	
Caractéristiques essentielles	Performances
Permeability to water vapour	Class III
Permeability to CO ₂	$S_D > 50 \text{ m}$
Capillary absorption and permeability to water	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$
Adhesion by pull-off test	$\geq 1,0 \text{ MPa}$
Reaction to fire	Class B
Adhesion after thermal compatibility	$\geq 1,0 \text{ MPa}$
Dangerous substances	See MSDS

**Système 3 : 1 coat of Sigmashield 880 at 500 µm + 1 coat of Sigmashield 880 at 450 µm
+ 1 coat of Sigmadur 550 at 50 µm**

Caractéristiques essentielles	Performances
Permeability to water vapour	Class III
Permeability to CO ₂	$S_D > 50 \text{ m}$
Capillary absorption and permeability to water	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$
Adhesion by pull-off test	$\geq 1,0 \text{ MPa}$
Reaction to fire	Class F
Adhesion after thermal compatibility	$\geq 1,0 \text{ MPa}$
Dangerous substances	See MSDS