

# DECIDAMP® DC30

## 雙組份阻尼膠

Decidamp®DC30 是一種基於聚氨酯的雙組分減震膠，在夾層構造（三明治系統）中效果最好，在該構造中，其出色的超黏彈性阻尼特性可顯著降低結構輻射的空氣傳播震動噪音。

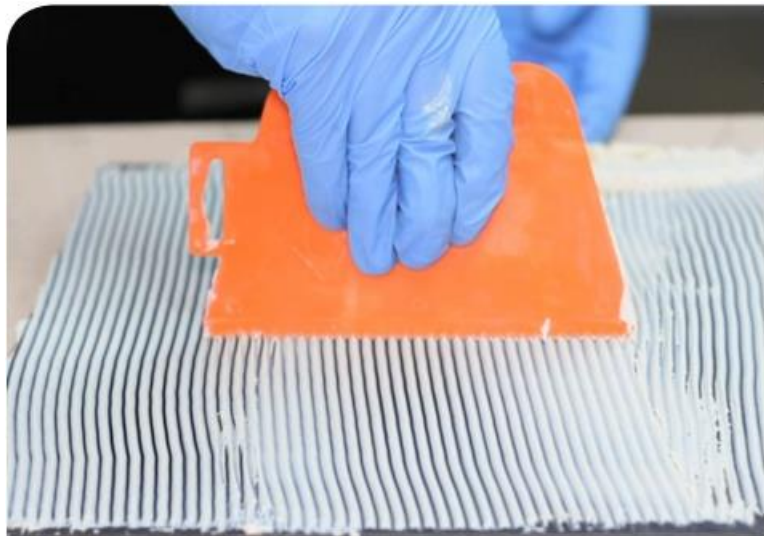
由發動機，撞擊聲和金屬結構引起的結構震動會轉換為空氣傳播的噪音，通常會導致結構產生另一種共鳴噪音。通過利用其超黏彈性阻尼特性，Decidamp®DC30 有效地減少了震動在整個結構中的傳播。

將 Decidamp®DC30 塗覆到金屬或塑料板上，然後將其黏合到相應的底板表面上。在產品固化後，它會粘結外層的底板和表面基材上，從而形成出色的阻尼介質。

它具有耐腐蝕，高觸變性，可在水平和垂直表面上使用而不會垂流。

### 規格

顏色	灰白色
包裝	雙組份總重 11KG
	A 劑 10 kg
	B 劑 1 kg



## 應用

- 船體、甲板 and 船艙，降低震動噪音和設備噪音
- 螺旋槳以及船舶測推區域
- 金屬地板、樓板，鐵皮屋，可降低衝擊噪音
- 大型設備
- 發電機、馬達及外罩
- 汽機車、鐵路軌道等交通設備

## 特性

- 阻尼減震效果好
- 用於夾層結構
- 能有效降低結構噪音
- 抗垂流，可施作於平面、立面及倒吊面
- 無氣味，質量輕及抗紫外線
- 阻燃性 - 符合 IMO Res A65316 自熄滅
- 可用於鋼板、鋁板以及玻璃纖維等合成板
- 改善室內環境震動噪音



### 產品規格

品名	包裝(kg)	混和比例 A:B w/w	混合物應用厚度
Decidamp® DC30 Part A	10	-	-
Decidamp® DC30 Part B	1.	-	-
Decidamp® DC30 mixed	-	10:1	1 mm

### 應用特性

材料	顏色	密度	黏結性	溫度範圍	指觸乾燥	完全硬化	塗覆厚度
Decidamp DC30	灰白色	1.3	2,250 Pa.s	10 to 35 °C*	20-30 分	24H	基底厚度的 1/3

\*以 10 kg 完全混合散裝料固化為基礎

### 材料特性

測試方法	屬性	報告編號	結果
IMO FTP Annex 1 Part 5	表面可燃性	327544	符合船艙、牆壁、天花板及地面之可燃性規範
IMO FTP Annex 2	煙霧與毒性		
MEDB	EC Type Certificate (Module B) for Marine Equipment Directive	164.112/1121/MEDB0000413	
MEDD	EC Type Certificate (Module D) for Marine Equipment Directive	MEDD000015N	

Results were obtained in systems utilizing solid counter plates.

### 聲學特性

系統耗損(ISO 6721-3)		衰減率(Based on ISO 7626-5)	
基材材料及厚度	1.9 mm 鋼材	基材材料及厚度	5 mm 鋼材
夾層材料及厚度	0.5 mm s 鋼材	夾層材料及厚度	1.5 mm 鋼材, 13% perforation
Decidamp® DC30 施作厚度	0.5 mm	Decidamp® DC30 施作厚度	1.5 mm
系統耗損 (23 °C)	0.11 at 200 Hz	衰減率 - 未施作 (23 °C)	6 dB/秒
		衰減率 - 施作 DC30 + constraining layer (23 °C)	700 dB/秒

Test Report Number: 20214AR

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For further information and contact details, please visit our website [pyroteknc.com](http://pyroteknc.com)

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