

Promenite način spajanja METALNIH Spojeva

3M™ Scotch-Weld™ Metal Bonder Acrylic Adhesive

DP8407NS

Dizajniran za spajanje raznih vrsta metala novi 3M™ Scotch-Weld™ Metal Bonder DP8407NS je akrilni lepak koji pruža izuzetnu snagu spoja, ekstremnu temperaturnu otpornost i pouzdane performanse. Zamenite mehaničke spojeve i zavarivanje tako što ćete iskoristite ove prednosti!

Prednosti za proizvode i proces proizvodnje su:

- Minimalna priprema površine - vezuje kroz blago masne metale
- Ekstremna otpornost na temperaturu do 300 ° F / 149 ° C i do -40 ° F / -40 ° C
- Brzo očvršćavanje i visoka otpornost na udarce
- Dug rok trajanja, bez hlađenja
- Omogućava inovacije u dizajnu eliminisanjem zavarivanja i mehaničkim pričvršćivanjima

Savršene Performanse za ekstremne uslove

Ovo je rešenje za ekstremne uslove - od uslova visokih i niskih temperatura do masnih površina i zahtevnih okruženja. Vaši proizvodi će imati veliku udarnu čvrstoću, brzu polimerizaciju i otpornost na koroziju.

Industrijske aplikacije

- Izrada metala
- Transport
- Specijalna vozila
- Arhitektonski paneli
- Aparati
- Kancelarijski nameštaj
- Signage

Vreme je da se promeni ono što je moguće ovim dokazanim programom i veoma uspešnoj liniji 3M Nekt Generation Structural Acrilic Adhesives

Koji je Vaš izazov?
Rešite ga pametnim spojem.



Izuzetno jako spajanje u uslovima extremne temperaturne izloženosti

Proces spajanja koje nakon toga zahteva proces plastifikacije je pravi primer izloženosti spoja ekstremnoj temperaturi. Novi 3M DP8407NS je akrilni lepk za metalne spojeve napravljen tako da izdržava takve temperature, i time omogućava da se izbegne upotreba šrafova, zakivaka i vara što doprinosi i boljem izgledu.

Prednosti proizvoda

- Lepi se na goli čelik, aluminijum i većinu drugih metala
- Eliminiše zavarivanje i mehaničke pričvršne elemente koji traže dodatno vreme i završnu obradu.

Spajanje na ekstremnim temperaturama

- Podnosi izloženost na ekstremnim temperaturama - do 400 ° F / 204 ° C najmanje jedan sat
- Dizajniran da izdrži premaz i boju u prahu i procesu plastifikacije

Snaga spoja tokom procesa plastifikacije

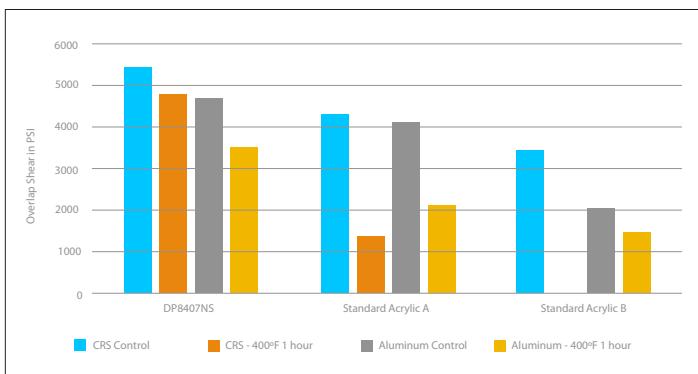


Chart shows the strength retention after a simulated powder coat heat cycle for each adhesive. Lower retention indicates a permanent loss of strength. DP8407NS loses very little permanent strength when exposed to a temperature of 400°F for 1 hour.



Performanse nosivosti

- Održava nosivost tokom ekstremnih temperatura

Snaga spoja koji je na 1 sat izložen temperaturi

Spoj koji je ostvaren sa 3M lepkom DP8407NS i izložen temperaturi od 400°F / 204°C , na 1 sat, može izdržati opterecenje od 75 psi na 400°F / 204°C , ali ne i 100 psi

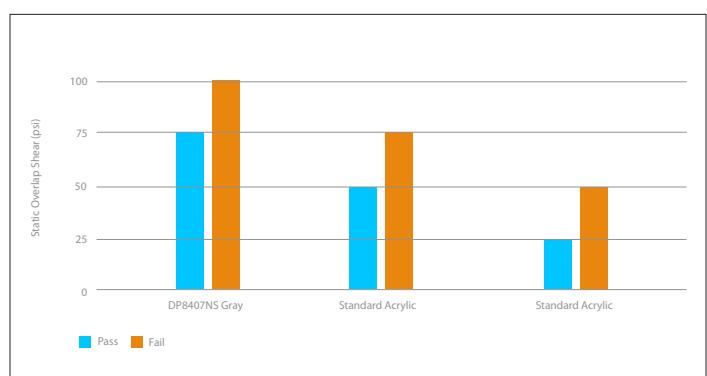


Chart shows the shear load (dead load in shear) that the adhesive can hold at 400°F (powder coat temperature). Blue bar: load held. Orange bar: load did not hold (fail). DP8407NS can hold a dead load in shear of 75 lbs during a powder coat cycle; but may fail at higher loads.



Poboljšano spajanje metala

Do sada je korozija bila izazov za dizajnere metalnih proizvoda i sklopova. Novi 3M Metal Bonder Acrilic Adhesive DP8407NS pomaže u borbi protiv ovog izazova, čineći ga mogućim kroz uspešan spoj raznih metalnih legura.

Prednosti proizvoda

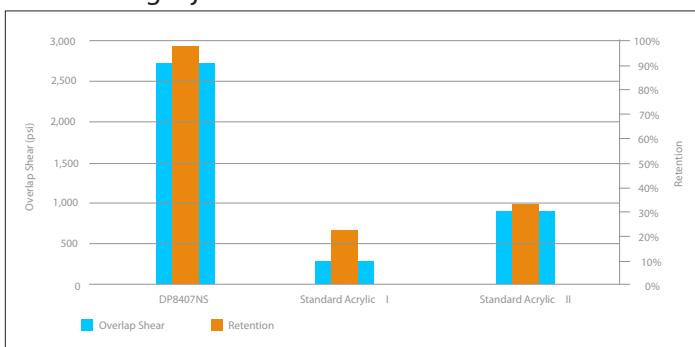
- Spaja Aluminijum, čelik, pocinkovani čelik, mesing bakar, nikl, i mnoge druge materijale
- Eliminiše upotrebu metalnih šrafova i varenja

OTPORAN NA KOROZIJU

- Minimalizuje gubitak performansi u poređenju sa standardnim akrilom

Zadržavanje čvrstoće veze nakon izlaganja visokoj temperaturi i vlažnosti

Spoj na smične sile na brušenom hladno valjanom čeliku
Temperatura ispitivanja 72°F;
500 sati izlaganja 150°F + 80% RH



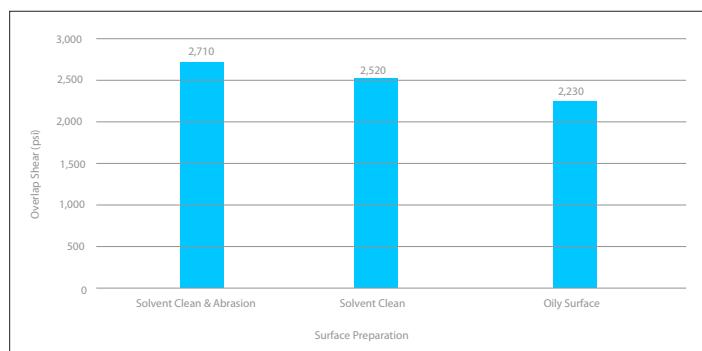
On abraded, cold rolled steel, DP8407NS shows high shear strength after exposure to 150°F and 80% relative humidity for 500 hours (accelerated outdoor weathering), whereas some competitive acrylics will lose strength due to steel corrosion accelerated by the adhesive.



SPAJA BLAGO ZAULJENE METALE

- Minimalna priprema površine

Spaja blago zauljene metale bez pripreme površina zadržavajući 80-90% snage na blago uljavim metalima.



DP8407NS achieves very high bond strength even on oily, unabraded steel, indicating that surface preparation steps may not be needed (always remove oxide from metals prior to bonding).



3M™ Scotch-Weld™ Metal Bonder Acrylic Adhesive Key Properties

| Product (Color) | Key Features | Mix Ratio B:A (Volume) | Approximate Viscosity at 75°F (24°C) (cP) | Approximate Mixed Work Life at 75°F (24°C) | Approximate Time to Handling Strength at 75°F (24°C) | Overlap Shear at 75°F (24°C) | Overlap Shear at 180°F (82°C) | Floating Roller Peel 75°F (24°C) |
|--------------------|--|------------------------------|--|---|--|------------------------------------|-------------------------------------|--|
| DP8407NS | <ul style="list-style-type: none"> • High impact • Adhesion to most metals | 10:1 | 20,000 | 7 minutes | 24 minutes | 4500 psi | 1400 psi | 50 |



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